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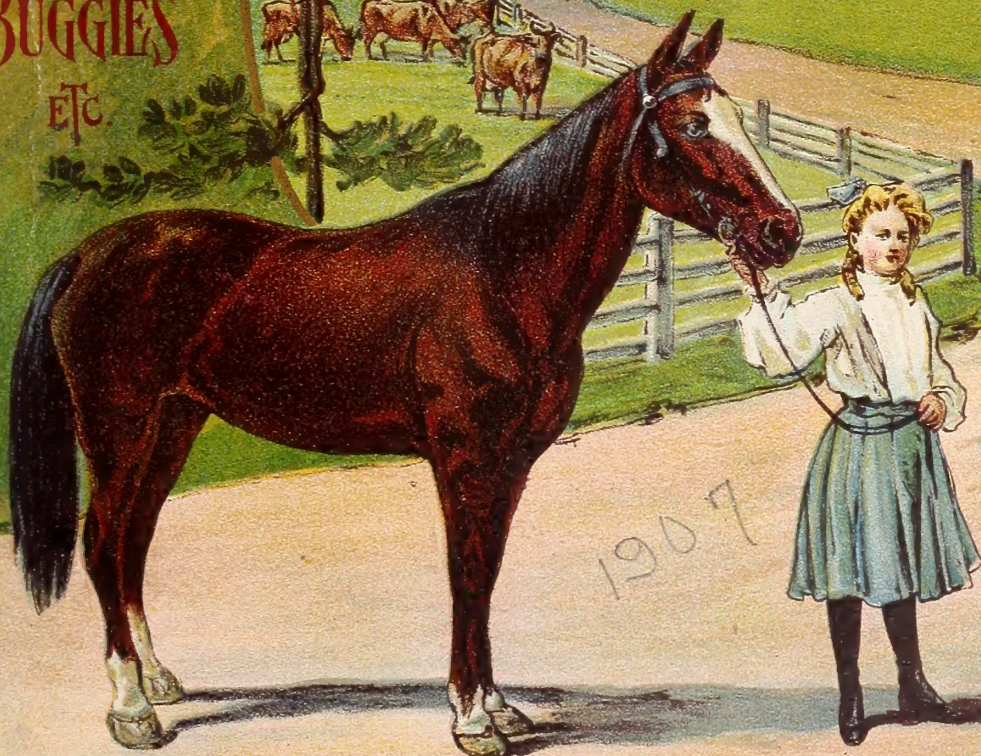
W. W. TRACY, JR. 1907

S. L. LAMBERD COMPANY

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U. S. Department of Agriculture
Washington, D. C.

FARM
MACHINERY

SEEDS
FERTILIZERS
BUGGIES
ETC.



1907

111, 113, & 115 Light Street, BALTIMORE, MD.

INTRODUCTORY

We are pleased to announce that after a year of great inconvenience and hard work we are back in our old neighborhood in our new establishment, a picture of which is shown on the back of this catalogue. The fire came just at the beginning of our busiest season and destroyed both of our warehouses and our entire stock. The temporary headquarters which we secured at 207 South Paca Street were very inadequate and we had to store our stock in seven or eight different places. Notwithstanding all these disadvantages under which we labored, we had a very satisfactory business year and we take this opportunity of extending to our friends our very hearty thanks. We appreciate their loyalty to us and this we will aim to prove by a careful study of their interests.

Our new establishment is located at Nos. 111-113-115 Light St., corner of Balderson. The buildings are especially arranged for our business and particularly well suited to it. The lower floor of No. 111 will be our retail Seed Department and will be equipped with the most modern devices for handling seed. This Department will be in charge of an experienced Seedsman who will see that all orders are carefully and accurately filled. Our carriage Show Room will be on the lower floor adjoining the Seed Department. We will aim to always carry a line of carriage work from which every one can be suited. We will have set up samples, giving a wide range of quality and style from the highest grade to the lowest, in every case exceptional value for the price asked. The Offices will be located on the second floors of Nos. 111 and 113 and machinery sample rooms will be on the second floors of Nos. 111-113 and 115. The remainder of the buildings will be devoted to storage.

We believe that we will be in a much better position to handle your trade than ever before. We know that we have the right goods and the right prices and we are convinced of the popularity of our methods of dealing. We see nothing but great success ahead of us.

Relying upon your help and thanking you in advance for same, we remain,

Very sincerely,

S. L. LAMBERD CO.

ITEMS OF INTEREST TO BUYERS.

Special Rates. When cash accompanies order, one dozen five-cent seed packets will be furnished for fifty cents, or thirty five-cent packets for one dollar.

How to send the money. Money should not be sent by mail unless it is registered. The best ways of sending money are: Post-office money order, registered letter, bank draft, or express money order. We will not send C. O. D. to parties unknown to us unless the order is accompanied by cash sufficient to cover express charges, if goods are not accepted.

We pay postage on pkts., ounces and quarter pounds. Postage must be added to Catalogue Prices, at the rate of 8 cents per pound, when seeds are ordered in quantities of half a pound and upward. Add postage for beans and peas at the rate of 15 cents per quart, and to corn 10 cents per quart, to Catalogue Prices.

GUARANTY.

We guarantee the machines in this Catalogue to be well made of good material, and if properly handled, to do the work for which they are intended as well as any machine of their respective classes now on the market. If, after giving a machine a fair trial, it fails to work as represented, the purchaser is to notify us at once, stating wherein and under what conditions the machine fails, and time allowed us to put it in order. If we fail to make the machine work properly, we will either furnish another machine in its place or take it back and return any money or notes which we have received in settlement.

Special Notice.

Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before they appear, wet weather, cold weather, frosts, chemical changes in the seed induced by temperature, etc. Soil preparation for the reception of seed is very important; if not properly done seed with very high germination is bound to perish. For all these reasons it is impossible to guarantee seeds under all circumstances, and, while we exercise the greatest care to have all seeds pure and reliable, we give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seed, bulbs or plants we send out, and we will not be in any way responsible for the crop. However, we cannot afford to send out seed, the reliability of which is doubtful. Our reputation is staked on every pound of seed we sell.

Table Giving Quantity of Seed Usually Sown to an Acre and Weight per Bushel.

Weight Per Bush.	Quantity Per Acre	Weight Per Bush.	Quantity Per Acre.
	Asparagus.....5 lbs.		Melon, Musk.....2 to 3 lbs.
48 lbs.	Barley, broadcast.....2 to 3 bu.		Melon, Water.....2 to 3 lbs.
60 lbs.	Beans, Dwarf, in drills.....1 to 1½ bu.		Mustard, broadcast.....12 to 16 qts.
60 lbs.	Beans, Pole, in hills.....8 to 10 qts.		Mangel Wurzel.....5 to 6 lbs.
	Beet, in drills.....5 to 6 lbs.	32 lbs.	Oats, broadcast.....2 to 2½ bu.
46 lbs.	Broom Corn, in hills.....4 to 6 qts.		Onion, in drills, to make large onions, 6 to 8 lbs.
48 lbs.	Buckwheat, broadcast.....¾ bu.		Onion Seeds for small sets.40 to 60 lbs.
	Cabbage in beds, to transplant...¼ lb.		Parsnip, in drills.....5 to 6 lbs.
	Carrot, in drills.....3 to 4 lbs.		Peas, early, in drills.....1 bu.
	Celery, to transplant.....½ lb.	60 lbs.	Peas, Marrowfat, in drills.....1¼ bu.
56 lbs.	Corn, in hills.....8 to 10 qts	60 lbs.	Peas, broadcast.....2 to 3 bu.
56 lbs.	Corn, for soiling.....2 to 3 bu.	60 lbs.	Potatoes, cut tubers, in drills...8 bu.
60 lbs.	Clover, Alsike.....12 lbs.		Radish, in drills.....6 to 8 lbs.
60 lbs.	Clover, Red, alone.....15 lbs		Radish, broadcast.....9 to 10 lbs.
60 lbs.	Clover, White, alone.....12 lbs.	56 lbs.	Rye, broadcast.....1 bu.
	Clover, White, with other seeds..4 lbs.		Salsify, in drills.....6 to 8 lbs.
60 lbs.	Clover, Lucerne, alone.....15 lbs.		Sorghum.....10 to 12 lbs.
60 lbs.	Clover, Scarlet.....12 lbs.		Spinach, in drills.....10 to 12 lbs.
	Cucumber, in hills.....2 to 3 lbs.		Squash (bush) in hills.....5 to 6 lbs.
56 lbs.	Flax, broadcast.....1 to 2 bu.		Squash (running) in hills....3 to 4 lbs.
14 lbs.	Grass, Blue, alone.....28 lbs.		Turnip, in drills.....1 to 2 lbs.
48 lbs.	Grass, Hungarian.....1 bu.		Turnip, broadcast.....2 to 3 lbs.
17 lbs.	Grass, Lawn.....3 to 4 bu.		Tomatoes, to transplant.....¼ lb.
14 lbs.	Grass, Orchard.....28 lbs.		Vetches, broadcast.....2 to 3 bu.
10 lbs.	Grass, Red top (Chaff Seed)...28 lbs.	60 lbs.	Wheat, broadcast.....1½ to 2 bu.
32 lbs.	Grass, Red top (fancy seed) 20 to 25 lbs.	60 lbs.	Wheat, in drills.....1 bu.
	Grass, R. I. Bent.....3 bu.		Clover, { together } 8 lbs. Clover.
45 lbs.	Timothy.....¼ bu.		Timothy, { for } 10 lbs. Timothy
	Kale.....4 to 6 lbs.		Red Top, { one acre. } 14 lbs. Red Top.
50 lbs.	Millet.....1 bu.		Wrinkled varieties of Peas weigh 56 lbs. to bu.

Special prices to market gardeners and buyers of large quantities

S. L. LAMBERD COMPANY'S

Reliable Vegetable Seeds,

FOR MARKET AND HOME GARDENS.

Tested and Reliable Seeds, Grown from Choice Stocks. Seeds that will Grow.

ALL PRICES IN THIS CATALOGUE SUBJECT TO MARKET CHANGES.

We aim to catalogue in our Seed Department those varieties which have been tried and found suitable for the gardeners and truckers of this section. There are on the market so many varieties of seed under new and fancy names that a person trying to make a selection is very often bewildered. In the varieties we offer, we give our customers the benefit of our own experience and we feel satisfied that no one will have reason to complain of results they obtain with varieties which we recommend.

ARTICHOKE.

Large Green Globe. The best for general culture. The undeveloped flower-heads are used. They are boiled and served with Mayonnaise dressing. Sow seed early in Spring, in drills 1 foot apart. The next Spring transplant to permanent beds, in rows or hills, 3 feet apart and 2 feet between the plants. It likes a deep, rich moist, loam, and the plants should be protected in Winter by a covering of leaves or coarse manure. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Jerusalem Artichoke Roots. This variety is not produced from seed. They are sometimes used as a table vegetable, but their greatest value is for feeding stock. Qt., 15c., pk., \$1.00; bu., \$3.00. Special prices in larger quantities.

ASPARAGUS.

One Ounce will Sow Forty Feet of Drill, 15 Lbs. to Acre.

In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills one foot apart, and one inch deep. The soil should be very rich and well worked. Later, thin the plants to three or four inches apart in the rows and cultivate often through Summer; transplant the following Spring into permanent beds, deeply trenched and well mixed with decayed manure.

Barr's Mammoth. This is a favorite variety. The stalks are large, frequently an inch in diameter and have close round heads. Extra quick growing and of excellent quality. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 60c.

Conover's Colossal. The standard variety. Large, tender and of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Palmetto. Plants are strong and vigorous in growth, producing large, quick, dark green shoots with a distinctly pointed head. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

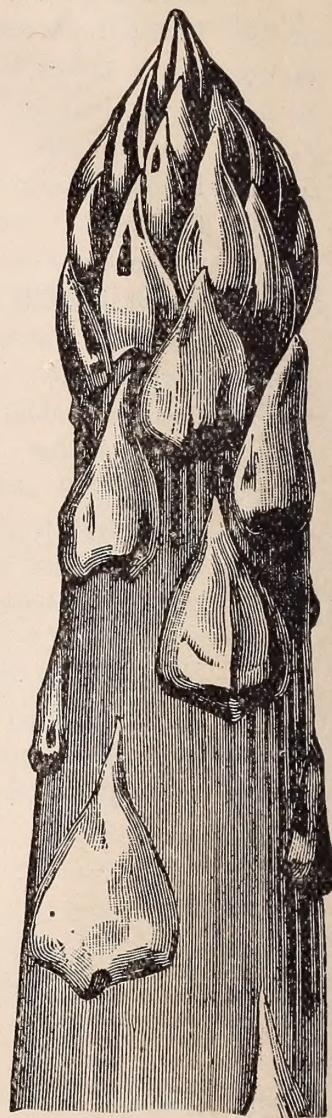
Columbian Mammoth White. While the green stalked varieties are the most tender and best flavored, yet on account of their appearance the white varieties are preferred by some, especially by canners. The Columbian Mammoth is undoubtedly the best of the white varieties. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

ASPARAGUS ROOTS.

By planting good, strong two year old roots a saving of two years time is effected. A bed of one hundred roots will give sufficient supply for ordinary private use. The roots we offer are from reliable growers. Prices of two year old roots of any of the varieties mentioned above. Per hundred, 90c.; per thousand, \$4.50.

BORECOLE. Sometimes called Broccoli. See Kale. page 11.

BRUSSELS SPROUTS. Produces small heads of sprouts on main stem. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.



PALMETTO ASPARAGUS.

A Trial Order will Convince you of the Superiority of Our Garden Seeds.

DWARF GREEN POD SNAP BEANS.

One Quart will plant One Hundred Feet of Drill.

For a succession, sow when apple is in bloom and repeat as often as is necessary until within fifty days of frost. In field culture sow in drills at two and one-half feet apart. In garden culture, when the cultivating is done by hand, the rows need be only eighteen inches. The seed should be sown in such quantities as to warrant, under ordinary conditions, a bean vine to every four inches. If closer than this, their productiveness will be impaired; on strong soil they do best at a greater distance.

Burpees Stringless Green Pod. Earlier than Valentine and stringless. Remains tender and crisp long after maturity. Pods are pale green, long and straight, round and meaty. Pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$6.00.

Mammoth Stringless Green Pod. Larger than the above but not so early. Pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$6.00.

Hopkins Extra Ey. Red Valentine. One of the best. Earlier than old Valentine. Pods are smooth, round, very free from strings and thickly set. Wait picking well, very productive, little top growth. Pt. 15c.; qt. 25c.; pk. \$1.35; bu. \$4.50.

Extra Early Refugee. Early as the Valentine and very popular. Round pods of very good quality. Pt. 15c.; qt. 25c.; pk. \$1.35; bu. \$4.50.

White Navy. A well known field variety. Qt. 15c.; pk. \$1.00; bu. \$3.25.

DWARF WAX POD SNAP BEANS.

Wardwell's Kidney Wax. Very popular. Vigorous, hardy and productive. Large, smooth, showy pods, almost rustless. Color early and evenly to a rich golden yellow. Pt. 20c.; qt. 30c.; pk. \$2.25; bu. \$8.00.

Currie's Rust Proof Black Wax. The earliest. Habit upright and robust, holding their pods well from the ground; foliage remarkably vigorous and healthy, pods long, flat and straight, beautiful golden color, unequalled for productiveness. Pt. 20c.; qt. 30c.; pk. \$2.00; bu. \$7.00.

Golden Wax. Early, pods long, brittle and free from strings. A well known and popular variety Pt. 20c.; qt. 30c.; pk. \$1.50; bu. \$6.00.

New Davis. Very productive variety. Pt. 20c.; qt. 30c.; pk. \$2.00; bu. \$8.00.

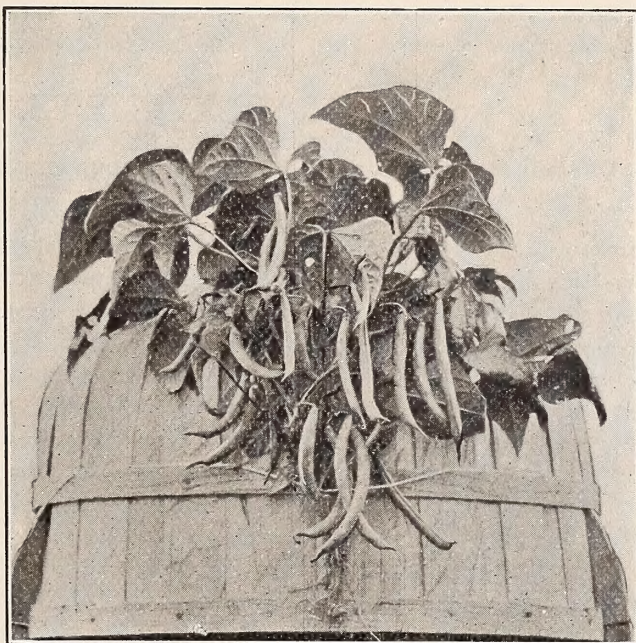
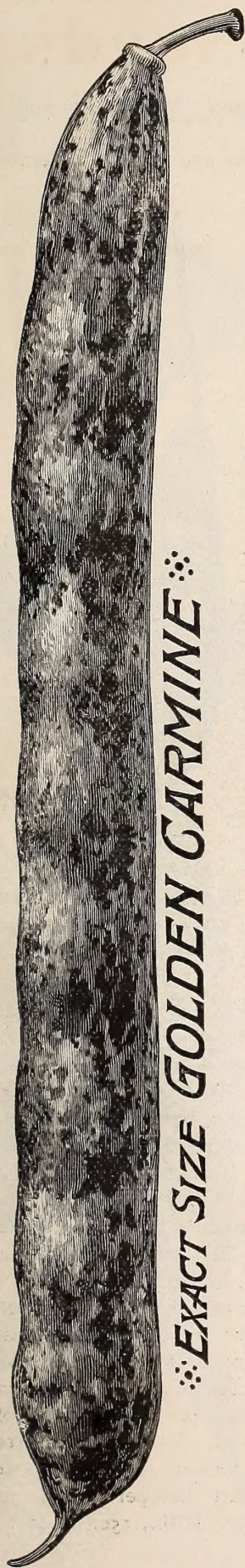
POLE BEANS.

Golden Carmine. A new strain of Horticultural Pole Bean of sterling merit. Excels in earliness, quality, handsome appearance and productiveness. Golden, mottled and streaked with carmine. Pt. 25c.; qt. 40c.; pk. \$2.50.

Horticultural. Matures in eighty days, pods green dashed with red. Very showy. Pt. 15c.; qt. 45c.; pk. \$1.50; bu. \$5.50.

Kentucky Wonder. Very prolific, large pods. Pt. 20c.; qt. 30c.; pk. \$1.65.

All Prices Subject to Change without Notice.



HOPKINS EX. EARLY RED VALENTINE.

Lima Beans. Pole Varieties.

King of the Garden. Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Extra Large White. The old favorite for home use or market. Our stocks are carefully selected. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

LIMA BEANS. Bush or Dwarf Varieties.

Burpee's Bush Lima. The true bush form of the old large Lima. Strictly dwarf, comes true from seed, stout, erect growth, very prolific, beans of large size. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Henderson's Dwarf Lima. Very prolific. Beans are small but their flavor is excellent. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

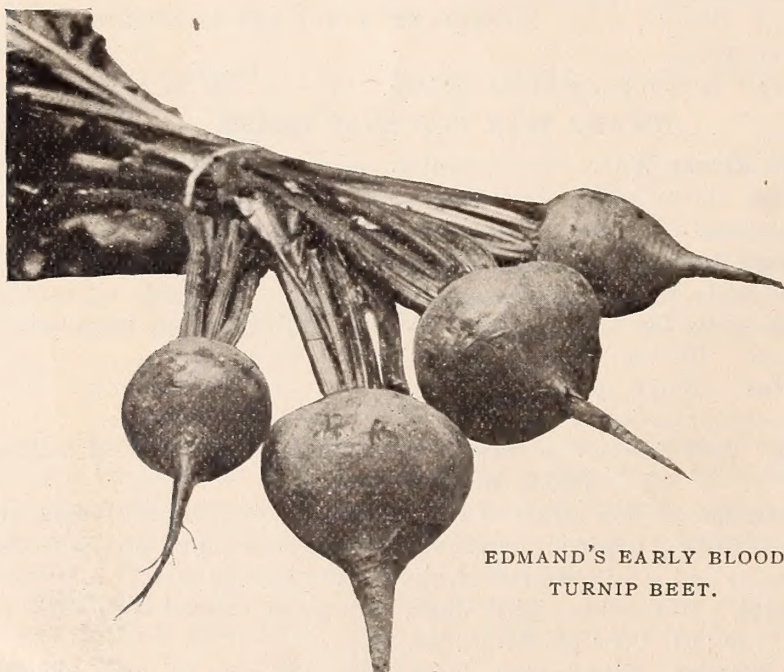
Dreer's Bush Lima. Produces a medium size thick bean of fine quality. An abundant yielder. Pkt., 5c.; pt., 15c.; qt., 30c.; pk., \$1.75; bu., \$6.00.

TABLE BEETS.

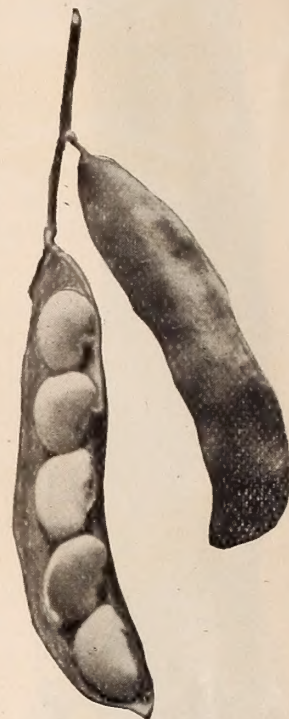
One ounce of seed sows 60 ft. of drill, 5 pounds will sow an acre in drills.

The soil is best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early sow in hot-beds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills eighteen inches apart and two inches deep. For Winter use the turnip varieties may be sown as late as June. When the plants have attained three or four inches in height, thin out so that they stand five or six inches apart. Keep free from weeds by frequent hoeing, and hand weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over Winter. Be careful not to bruise them in handling.

Extra Early Egyptian Turnip. Maturing in an incredibly short time for a Beet, roots for table use developing in forty days from germination. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.



EDMAND'S EARLY BLOOD
TURNIP BEET.



KING OF GARDEN
LIMA BEANS.

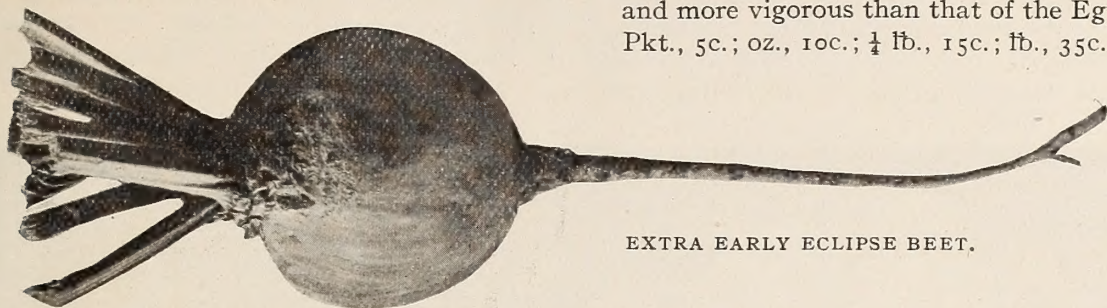
Crosby's Improved Egyptian. A choice form of the Egyptian and, consequently, very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 45c.

Edmand's Early Blood Turnip. This beet of American origin, is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size, and among the best for table use. Color dark red, flesh purplish red, crisp tender and sweet. An excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Quality is Considered Before Price in the Selection of Our Seed Stocks.

TABLE BEETS, (Continued.)

Extra Early Eclipse, 40 Days. This variety is to a great extent superseding the Egyptian. The bulbs are perfect globes, blood colored and develop with astonishing rapidity. The foliage is longer and more vigorous than that of the Egyptian.
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.



EXTRA EARLY ECLIPSE BEET.

SUGAR BEETS AND MANGEL-WURZELS.

Very valuable for stock feeding in Winter. The Sugar Beets are richer than the Mangels but not as heavy yielders.

Golden Tankard Mangel. (100 Days.) Adapted to shallow lands although it does well on all soils. Matures rapidly, has broad shoulders, rich golden skin and is solid and sugary.
Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lbs., \$1.00.

Mammoth Long Red Mangel. A favorite variety, extensively grown, of good quality and a heavy cropper. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lbs., \$1.00.

Lane's Imp. Sugar. One of the best. Hardy and productive. $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lbs., \$1.00.

CARROT.

One Ounce to 100 feet of drill, three pounds to the acre.

A light sandy loam, well tilled and manured the previous year best suits the carrot; for early crops sow as early as the ground can be worked, in drills, 10 inches apart, and thin to five inches in the row.

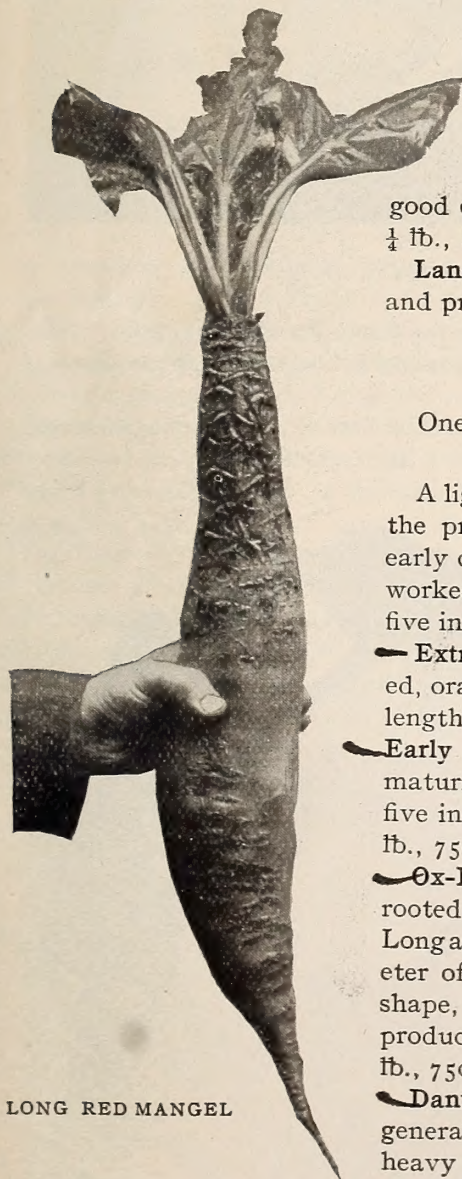
— **Extra Early Forcing' 40 Days.** Stump-rooted, orange in color, grows about two inches in length. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

— **Early Scarlet Horn, Blunt Rooted.** Next in maturity after the foregoing. Length four to five inches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

— **Ox-Heart or Half Long Guerande.** (Stump-rooted.) An intermediate between the half-Long and the Horn varieties, attaining a diameter of four inches at the neck; of beautiful shape, rich orange color, extra fine quality, productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

— **Danver's Half Long.** The best variety for general crop; is of rich orange color, a very heavy yielder and splendid keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

— **Improved Long Orange (Nichol's.)** Earlier than the old long orange; deep orange, red color, smooth root, short top, adaptable to all soils and very productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



LONG RED MANGEL



NICHOLS IMPROVED LONG ORANGE CARROT.

Our Seed Stocks are from the best Growers in the Country.

CABBAGE.

One ounce of seed to 300 feet of drill; two ounces sown thinly should provide plants for one acre.

For very early use sow in January or February in hot beds; pick out when the plants are strong enough into other hot beds, or sow in cold frame in March; transplant when danger from killing frosts is passed to the open grounds in rows two feet apart and eighteen inches in the row. For a succession sow in the open ground the last of March or early in April. To secure plants for wintering in cold frames sow the seed in well-prepared rich ground, from the 10th to the 25th of September.



SELECT EARLY JERSEY WAKEFIELD.



EUREKA, OR FIRST OF ALL.

Eureka or First of all Flat. A flat head cabbage, fully as early as the Early Jersey Wakefield. The heads are of good size, very solid and of excellent quality. A reliable header and can be planted close. Try it. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb. \$2.00.

Select Early Jersey Wakefield. A leading early variety and one of the best. Conical shaped heads of excellent quality. We have very fine strains. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

Early York. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

Charleston or Large Wakefield. Five to six days later than Jersey Wakefield. Nearly one-half larger, compact in growth, stands well. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

Early Winningstadt. An improvement over the old Early York. Conical heads of good quality. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

New Early. Early, solid round heads, very desirable. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

All Head Early. The deep flat heads are very solid and uniform in size. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.

Improved Early Summer. Large, solid, sure header, second early. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.50.



Special prices to Market Gardeners and Buyers of Large Quantities.



S. L. LAMBERD CO.'S PERFECTION DRUMHEAD SAVOY.

Cabbage. (Continued.)

Early Dwarf Flat Dutch. An excellent second early variety producing fine large heads. Of fine quality and resists heat well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Succession. A good second early round head variety. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

All Seasons. (Vandergraw.) Fine large heads of superior quality. Nearly as early as the Early Summer. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Large Late Flat Dutch. Large excellent heads, broad, thick and flat. Fine for Winter use. Well covered by leaves lapping across the center. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Surehead. A fine strain of late Flat Dutch having great reliability for heading. Heads are large and of good texture. Keeps well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Large Late Drumhead. A favorite Winter variety. Desirable for shipping as it stands transportation well. Very large and heavy. Excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Van Nieman's Excelsior. A winter cabbage that is very popular. Large, solid and of fine quality. Somewhat similar to Late Flat Dutch. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Perfection Drumhead Savoy. The very best of the curled cabbages. Large and solid and of very rich flavor. Inside leaves are very light in color. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Red Dutch. Used for pickling. Leaves red or purple. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

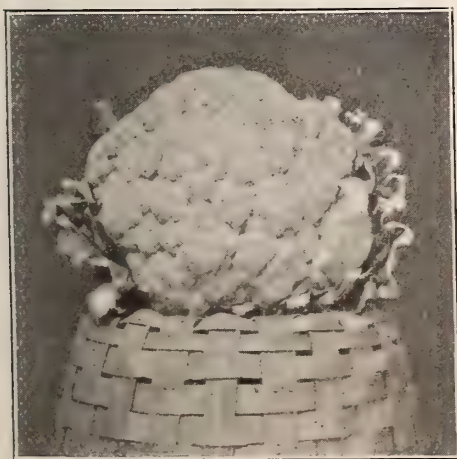
CAULIFLOWER.

One-half Ounce of Seed to 100 Yards of Row.

Sow the seed in a hot-bed in January or February and when the plants are large enough transplant three inches apart in boxes or in other hot-beds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, two-and-a-half feet apart each way. Keep them well hoed, and bring the earth gradually up to their stems, watering freely in dry weather, and especially when they begin to head.

Early Snowball. An extremely early dwarf variety producing magnificent white heads, of fine quality. Well adapted to hot-bed culture. Pkts., 10c., 25c. and 50c.; oz., \$2.25.

Select Early Dwarf Erfurt. Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkts., 10c., 25c., 50c., oz., \$2.25.



EARLY SNOWBALL CAULIFLOWER.

Celery

One Ounce will Produce about Two Thousand Plants.

Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 or 6 inches high, transplant, the dwarf varieties 3 feet and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well and when large enough blanch by earthing up. The first operation is that of "handling," generally done the beginning of September; after the soil has been drawn up with the hoe, it is drawn closer around each plant by the hand, to keep the leaves firm in an upright position and prevent spreading. When the plants have become set in an upright position, the celery wanted for early use, should be "banked." This is done by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

Giant Pascal. The stalks are very large, thick, solid, crisp and of a rich nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

Golden Heart.

Largely used always giving satisfaction. A showy sort: solid, of fine flavor and a good keeper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

Perfection Hartwell.

One of the best varieties, fine flavor, crisp and tender, stalks long, thick and compact golden yellow heart. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Boston Market. A short, bushy, white, solid, excellent flavored, market variety, constantly increasing in demand. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Winter Queen. This variety grows a very thick, solid and heavy stalk and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

New Victory. Similar to Winter Queen, only surpassing it in keeping qualities. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

CELERIAC. Turnip-rooted Celery. Apple-Shaped. An early smooth variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Giant Smooth Prague. Desirable. An excellent keeper. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 50c. lb. \$1.50

CRESS. Curled or Pepper Grass. The best sort for dry soils. Pkt., 5c., oz., 10c. $\frac{1}{4}$ lb., 20c.

Water Cress. Requires running water, ditch or pond, Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.



Winter Queen Celery. $\frac{1}{4}$ lb., 15c.; lb., 40c.

White Plume.

Unsurpassed for Fall and early Winter use requiring very little earthing up to blanch it. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Golden Self-Blanching.

For Early use preferred by many to all other sorts; as self blanching as White Plume, and simply needs a slight earthing up.

The entire plant is an attractive yellowish green, and as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. Grows to good size, very tender, crisp and solid and when well grown is of excellent quality and very beautiful. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

CORN SALAD.

Sow in Spring in drills 1 foot apart; it will mature in six to eight weeks. For Winter and early spring use, sow in drills in August and September.

Large Seeded. Pkt., 5c.; oz., 10c.;

$\frac{1}{4}$ lb., 15c.; lb., 40c.

SWEET AND SUGAR CORN.

One Quart will Plant Two hundred Hills, Eight to Ten Quarts for an Acre in Hill.

The Sweet or Sugar varieties, being liable to rot in cold or wet ground should not be planted before May, or until the ground has become warm; for a succession continue planting every two weeks, until the middle of July, in rich, well manured ground, in hills three feet apart each way, covering about half

an inch, and thin out to three plants to a hill. extra early varieties can be planted eighteen inches in the row and two and a half feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

Extra Early Adams. Ready for table sixty-two days after germination. Height of stalk three to four feet, ears set within six inches of the ground. Not a sugar Corn, but a decided acquisition so early in the season. Requires good culture and land of high fertility. Plant in rows at two and one-half feet and thin to one foot. Pt., 10c.; qt., 15c.; pk., 60c.; bu., \$2.00.

Early Adams. Similar to Extra Early Adams; larger but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes. Ear, 5c.; doz., 25c.; pt., 10c.; qt., 15c.; pk., 60c.; bu., \$2.00.

Crosby's Early. A favorite variety, very early, productive, ears rather short and of a rich, sugary flavor. Ear, 5c.; doz., 40c.; pt., 10c.; qt., 20c.; pk., 75c.

Early Champion. This is comparatively new variety which is medium early in ripening, and produces large ears, generally having about twelve rows of beautiful white milky grains, which are very tender and sweet and remain so for quite a period. Pkt., 5c.; pt., 15c.; qt., 25c.; pk., 80c.; bu., \$3.00.

New Early Evergreen. Ripens about ten days earlier, and produces ears a trifle shorter than the Stowell's but the quality is equally as good. A splendid variety to come in between the early and late sorts, and is destined to become as popular as the Stowells Evergreen. Pkt., 10c.; pt., 15c. qt., 25c.; pk., \$1.00.

Early Mammoth. Large ear and early; splendid early market sort. Ear, 5c.; doz., 45c.; pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.50.

Country Gentleman, 70 Days. A shortstalked productive sort. Ears large for so small a stalk; grain narrow and very deep, after form of Shoe Peg; excellent quality. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.50.

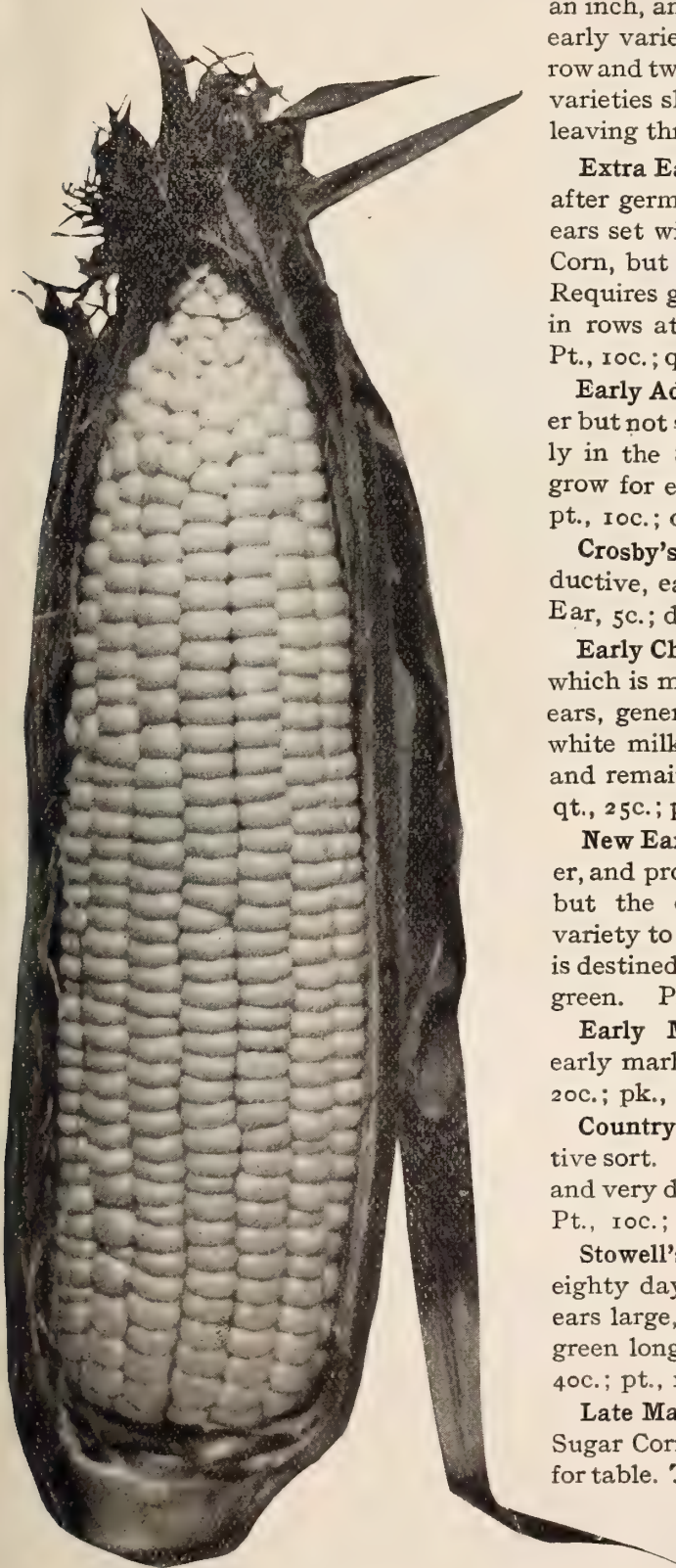
Stowell's Evergreen. Matures for table in about eighty days from germination. One of the sweetest, ears large, deep grained of excellent quality remaining green longer than any other variety. Ear, 5c.; doz., 40c.; pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.50.

Late Mammoth Sugar. The strongest growing of all Sugar Corns. Takes eighty-five days to reach maturity for table. The ears are very large and showy. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.50.

Egyptian Sugar, 90 Days. Sweet large and vigorous. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.50.

Ne Plus Ultra. (Shoe Peg or Quaker Sweet.) The deep Shoe Peg kernels are placed irregularly but compactly upon the cob. Pt. 10c.; qt., 20c.; pk., 75c. **Ninety-Day Corn. Red Cob.** See page 26.

Prices Subject to Change without Notice.

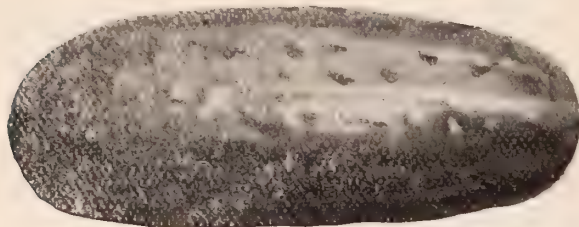


NEW EARLY EVERGREEN.

Cucumber.

One ounce will plant fifty hills; two pounds will plant one acre.

For very early Cucumbers, sow the first of April in a hot-bed, upon pieces of sod (grass-side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. For early use, plant, if the weather has become settled and warm, in hills about four feet apart each way thin out to four of the strongest plants to each hill, after all danger from insects is over; they succeed best in a warm, moist, rich, loamy soil. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness. For pickles, plant from June until the middle of July.



IMPROVED WHITE SPINE CUCUMBER.

Improved Early White Spine. Vines vigorous, fruiting early and abundantly, fruit uniformly straight and handsome, light green, with a few white spines; flesh crisp and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. Special prices on larger quantities.

Improved Long Green. Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Early Green Cluster. A short prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

Cool and Crisp. Excellent. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Small Gherkin or Burr. Used only for pickling while young and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.

EGG-PLANT.

One Ounce will Produce About One Thousand Plants.

Egg-plant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

Improved Large Purple Thornless. The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. $\frac{1}{4}$ lb., \$1.00, lb., \$3.50



N. Y. IMPROVED
PURPLE EGG-PLANT.



SUMMER SAVORY.

SAGE.

SWEET, POT AND MEDICINAL HERBS.

Herbs delight in a rich, mellow soil. Sow seeds early in spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Sage. For seasoning and dressing. Pkt., 5c.; oz., 20c.

Thyme, (Broad Leaf). For seasoning, also in making a tea for nervous headache. Pkt., 5c.; oz., 20c.

Sweet Basil. For flavoring soups. Pkt., 5c.; oz., 15c.

Summer Savory. Used for flavoring. Pkt., 5c.; oz., 15c.

Lavender. For flavoring and perfumery. Pkt., 5c.; oz., 25c.

Caraway. Seeds used to flavor bread. Pkt., 5c. oz., 15c.

Sweet Marjoram. Leaves and ends of shoots used for seasoning. Pkt., 5c.; oz., 15c.

Rosemary. Leaves are used for seasoning. Pkt., 5c.; oz., 30c.

Dill. The seeds are used as a condiment and for pickling. Pkt., 5c.; oz., 10c.

Special Prices to Market Gardeners and Buyers of Large Quantities.

Endive.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June to the end of August. **Green Curled.** Tender and crisp. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00. **White Curled.** Very tender when young; blanches readily. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00



A SINGLE PLANT OF BORECOLE.

Cultivate the same as for Cabbage, but in hoeing be careful not to throw earth into the heart of the plant, or the bulb cannot form. **Early White Vienna.** Best early variety for table. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

LEEK.

One Ounce to 150 Feet of Row.

Sow the seed and care for the young plants same as, for Onions, but they need a little more room in order to develop fully. When the young plants are about the size of a goose-quill, transplant into a prepared bed in rows one foot apart and four or five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

Giant Carentan. Produces a large thick stem and of mild flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

London Flag. One of the hardiest and best for Winter use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

WHITE MUSTARD. For salads and culinary purposes. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 30c.;

NASTURTIUM. Beautiful blooms and leaves and seeds are used for salads and pickles. Climbing or dwarf varieties. Plant in May. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

KALE.

One Ounce Sows a Drill of about 200 Feet.

The Kales are more hearty than Cabbage, and make excellent greens for spring and winter use, and are improved by frost. Sow from May to June, and cultivate the same as Cabbage. For early spring use, sow in September, and protect during Winter.

Dwarf German Kale. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.;

Borecole or Tall Scotch. Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

KOHI-RABI.

One ounce of seed for 200 feet of drill.

The edible part is the bulb, which is dressed and served like turnips, and is very delicate and tender when young. It is very hardy, withstands severe drought, and is a good keeper.



GIANT CARENTAN LEEK.

Lettuce.

Two Ounces of Seed to a Hundred Yards of Row.

To have fine Lettuce in early Spring, sow in seed bed from commencement to middle of Autumn. During the Winter protect the plants by a box covered with window or other sash, or with litter as they stand on the ground. Early in the Spring transplant some into rich ground. The others force under the sash. Or in early Spring sow in a hot bed and transplant, but Autumn sown plants are best.



BLACK SEEDED TENNIS BALL LETTUCE.

Grand Rapids. Excellent for forcing, fine quality, large, loose, yellowish green head, stands well. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb.; 35c. lb. \$1.25.

California Cream Butter. A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.50.

Black-Seeded Tennisball. An early reliable header. Compact in growth, the leaves close set and slightly bloated or savoyed. Color a whitish green. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.25.

Black-seeded Simpson (Curled). A very popular sort among market gardeners everywhere. Forms a large, loose head; its nearly white, curly leaves are large, thin, exceedingly tender and of very good quality; one of the very best sorts for growing under glass, as well as for early outside planting. Fine for home market, but not so desirable for shipping as Grand Rapids. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.25.

White Summer Cabbage. (Seed White). A bright green, vigorous, sure heading sort which forms a solid head of thick, tender leaves; the inner ones blanched to a beautiful cream yellow. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.25.

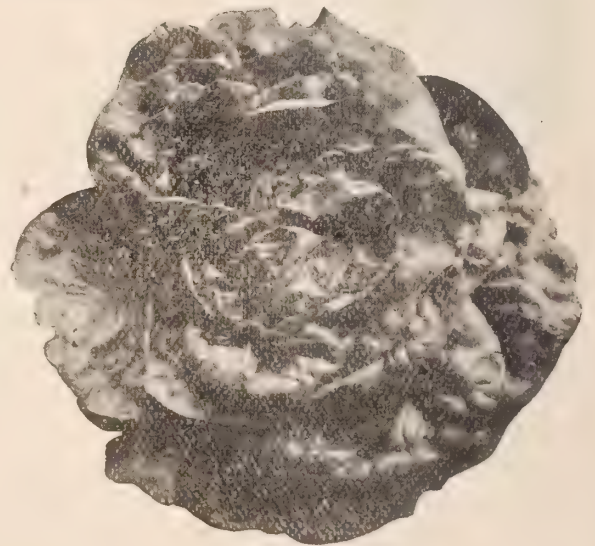
Big Boston. Resembles Boston Market, but nearly twice as large, desirable for forcing, and Spring and Fall outdoor planting. Pkt. 5c.; oz. 25c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.50.

Boston Market. A celebrated variety in New England, of good heading habit, small, early and compact, quite desirable. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.25.

Oak Leaf. Peculiar in the shape of its leaf. Of good quality, standing the Summer heat well, and is very slow to run to seed. Quite popular. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Deacon. A big compact head. Has no core, but a tender golden heart. Unexcelled for shipping; it resists the cold and withstands the summer heat. Crisp, mild flavor. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; 1 lb. \$1.50.

Improved Loaf. Large, compact heads. Light green color; tender and crisp. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb. \$1.25.



DEACON LETTUCE.

MUSHROOM.

Mushrooms can be grown in cellars, sheds, hotbeds or sometimes in open air. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight to ten square feet of bed. The Mushroom will appear in about six weeks. Water sparingly and with lukewarm water. Price per brick 15c.; lb., 12c.

Special Prices to Market Gardeners and Buyers of Large Quantities.

MUSKMELON.—Cantaloupe.

One Ounce Will Plant about Fifty Hills: Two to Three Pounds in Hills to Acre.

Thrive best in light rich soil. Plant early in May in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, picking off tips makes vines branching and strong and fruit will mature earlier.

Water freely and feed liquid manure occasionally. For early use, sow in hot bed, on pieces of sod.

SPECIAL PRICES ON FIVE POUNDS OR MORE.

Jenny Lind. Very early, small, round, netted and of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Rocky Ford. We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper. Early. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Golden Netted Gem. One of the best of small melons and very popular. Prolific



ROCKY FORD CANTALOUPE.

and of excellent quality. Very early. A great favorite. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Emerald Gem. Small, green skin, delicious yellow flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Acme or Baltimore Nutmeg. A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Early Green Fleshed Nutmeg. Medium size, finest quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Osage. A large yellow fleshed variety of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Hackensack or Turk's Cap. A very fine large sort. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

WATERMELONS.

One Ounce for Thirty Hills: Four to Five Pounds for an Acre.

Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Special prices in quantities of five pounds or more.

Triumph. Large, oval, handsome dark green color, fine variety and of excellent quality. One of the finest melons ever introduced. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Florida Favorite. Large, long, striped, excellent for family garden. Rind thin but firm; flesh very deep red and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Kleckley's Sweets or Monte Cristo. Large, thin rind and crisp sugary flesh. An excellent garden melon but not recommended for shipping. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Other Well Known Water-melons. Prices of all: Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Kolb's Gem. The great shipping melon.

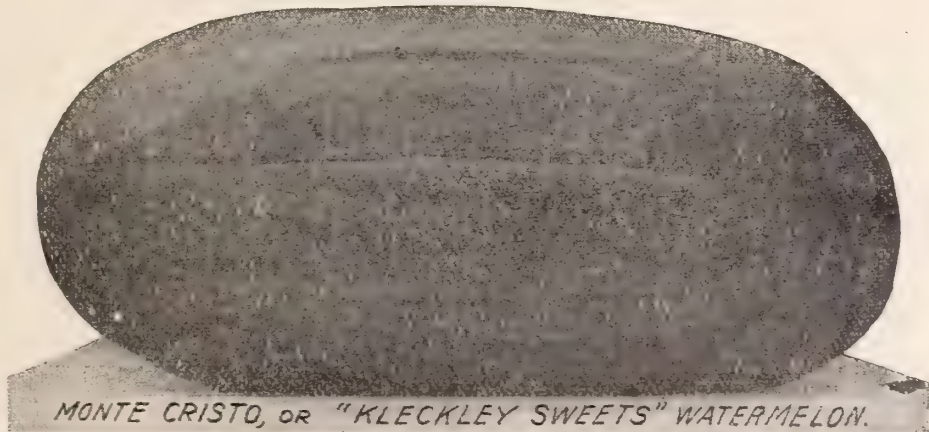
Boss. Dark, oval, fine.

Duke Jones. Popular.

Dixie. Fine for gardens.

Dark Icing. Excellent.

CITRON. For preserves. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



MONTE CRISTO, OR "KLECKLEY SWEETS" WATERMELON.

Onions.

One Ounce for 100 Feet of Drill: Six Pounds for One Acre.

For sets, sow the seeds as early as possible in the sprig, very thickly, in drills. As soon as the tops die off in Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills twelve inches apart and about four inches apart in the drills; the Onions by this process are obtained of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-fourth inch deep, in March or early in April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.



SOUTHPORT WHITE GLOBE.

YELLOW GLOBE DANVERS.

- ✓ **White Portugal, or Silverskin.** Ripens early; of large size, mild in flavor, and excellent for Winter use; much esteemed for pickling when small. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.50.
 - ✓ **Large Red Wethersfield.** Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 30c.; lb. \$1.00.
 - ✓ **Select Yellow Danvers Globe** Extensively grown as a main crop in many sections. Beautiful golden color; of medium size, quite early, bottom nearly flat, oval top, with small neck; very prolific, and a first-class keeper and shipper. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 30c.; lb. 90c.
 - ✓ **Yellow Dutch, or Strasburg.** A good keeper and well flavored; bright straw-colored, somewhat flattened shape; extensively grown for sets. Pkt. 5c. oz. 10c.; $\frac{1}{4}$ lb. 30c.; lb. 90c.
 - ✓ **Prizetaker.** Pale yellow. Very large and mild. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb., 35c.; lb. \$1.25.
 - ✓ **Southport White Globe.** A large globe-shaped variety, with white skin, fine flesh, handsome shape and a good keeper. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 50c.; lb. \$1.75.
 - ✓ **Large Red Globe (Southport.)** Large, distinct in form. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.
- Onion Sets.** Onion sets should be planted out as early in Spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart. Yellow, qt. 20c.; white, qt. 25c. Bushel prices on application.

OKRA OR GUMBO.

Four Ounces to 100 Feet of Drill.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.

Perkins Long-Pod. Handsome, large green pods. Pkt., 5 c.; oz., 10 c.; $\frac{1}{4}$ lb., 15 c.; lb., 50c.

White Velvet. Large round smooth pods; very productive. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb., 15 c.; lb. 50c.

Dwarf Green Prolific. Early, productive. Long slender pods. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb., 15c.; lb. 40c.

Special Prices to Market Gardeners and Buyers of Large Quantities.

Parsley.

One Ounce to 150 Feet of Drill.

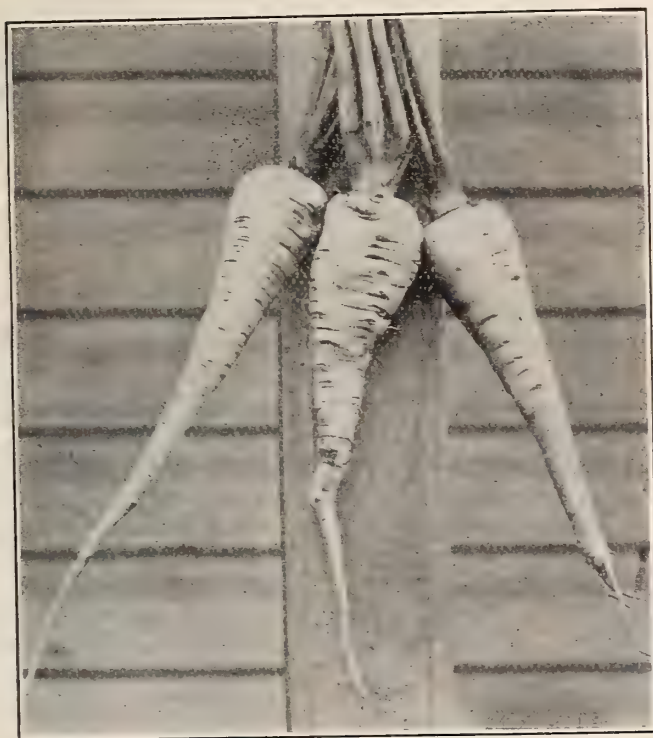
Parsley requires rich, mellow soil. The seed is even slower than parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.

Moss Curled. A distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

PARSNIP.

One ounce for 200 feet of drill, five to six pounds for an acre.

Sow as early in the Spring as the weather will admit, in drills fifteen inches apart and half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.



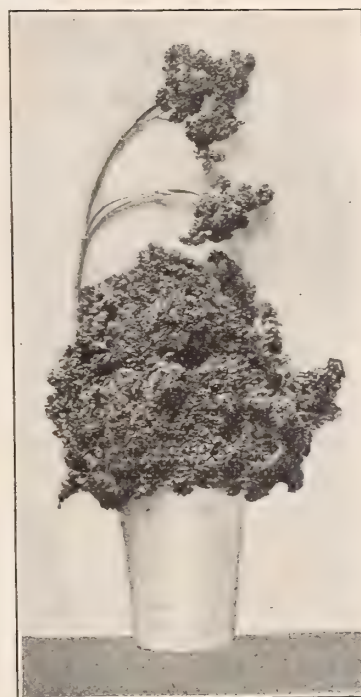
LARGE SUGAR OR HOLLOW CROWN PARSNIP.

Long Red Cayenne. Long, slim, and very pungent. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Small Chili. Small red conical pods. Very hot and prolific. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.;

Large Sweet Spanish. Very large and mild. Also called Sweet Mountain. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Chinese Giant. A recent large introduction of particularly fine quality. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.50.



MOSS CURLED PARSLEY.

Large Sugar or Hollow Crown. The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

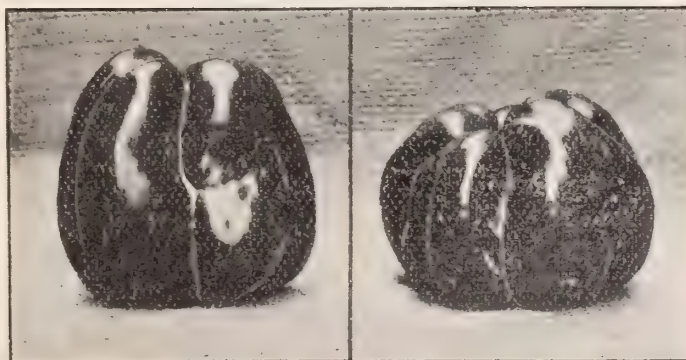
PEPPERS.

One Ounce will Produce 1,000 Plants.

Sow in hot-beds in March or April, or on a warm, sheltered border in May, and when the season is favorable, transplant in rows 2 feet apart and 18 inches in row, in good, rich ground.

Ruby King. Good for Mangoes or pickling, very sweet. Large; quite productive. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large Bell or Bull Nose. Large early variety; mild flavor, thick and fleshy. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



RUBY KING PEPPER.

BULL NOSE PEPPER.

All Prices are Subject to Market Changes.

Peas.

One quart will plant about 100 feet of drill.

Peas mature earliest in a light, rich soil; for general crop, a rich, deep loam, or inclining to clay, is the best. When grown in gardens sow in double rows, six to eight inches apart the rows two to four feet apart, the tall ones requiring brush. Commence sowing the extra early varieties as early as the ground can be worked in February or March; continue for a succession every two weeks until June, then discontinuing until the middle of August, when a good crop may be secured by sowing the extra early and early sorts for Fall use. They should be kept clean and earthed up twice during the growth. The wrinkled varieties are not as hardy as the small round sorts, and planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited for small gardens or for forcing.

A star (*) indicates that the varieties thus marked are wrinkled.

***Thomas Laxton.** A new large podded variety. An improvement over the Gradus. Combines extreme earliness and finest quality.



THOMAS LAXTON.



NEW DWARF CHAMPION PEAS.

A much surer cropper than the Gradus and very hardy for a wrinkled pea. Vines from 2½ to 3 ft. in height, of vigorous and healthy growth and very prolific. Pkt. 10c.; pt. 20c.; qt. 35c.; pk. \$2.50.

S. L. Lamberd Co's First and Best. Earliest of all. A most profitable market pea because of its earliness and the uniformity with which it grows and matures. Vines 2½ ft. Pkt. 5c.; pt. 10c.; qt. 20c.; pk. 90c.; bu. \$3.00.

S. L. Lamberd Company's Extra Early Peas. Very similar in character to the First and Best. Pkt. 5c.; pt. 10c.; qt. 20c.; pk. 90c.; bu. \$3.00.

Rural New Yorker. A very desirable Pea; a good yielder, and in maturity it is among the first early. Vines 2½ ft. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$5.00.

Alaska. The earliest Blue Pea, very uniform in growth; pods of a dark green color. A great favorite with canners and shippers. Height 2 ft. Pkt. 5c.; pt. 10c.; qt. 20c.; pk. 90c.; bu. \$3.00.

***New Dwarf Champion Pea.** (see cut.) This new variety has all the good qualities of the Champion of England, is hardy and of fine quality, but has less vine and produces larger pods and more of them. The pods are dark green and mature after the early varieties; thus making it a good sort for the family garden. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.75.

Add for postage on Peas and Beans 8c. per pint,
15c. per quart.

Peas. (Continued.)

***Nott's Excelsior.** One of the best of recent introduction, an improvement on American Wonder, being as early, if not a little earlier, and the pods are decidedly larger and many more of them to the plant. It grows about half taller than American Wonder, and careful comparison of the two sorts, grown side by side, show Nott's Excelsior to be a decided improvement in every way; height fourteen inches. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.75; bu. \$6.00.

***American Wonder.** A very fine extra early Wrinkled Variety. It is well suited for the private garden and quite productive. The flavor and quality of the Peas is excellent, and its dwarf habit of growth makes it a desirable sort; height ten inches. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.75; bu. \$6.00.

***Premium Gem.** Fine extra early dwarf pea, an improvement over the Little Gem, as the pods are larger and it is more productive. Vines are about fifteen inches. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$5.00.

***Abundance.** One of the best and most satisfactory second early peas for general purposes. 15 to 18 inches high, large well filled pods, excellent quality, branching in habit, therefore should be sown thin. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.75; bu. \$6.00.

***Improved Stratagem** A green wrinkled pea, half dwarf in character. Growth is vigorous and branching. Very prolific, excellent quality, medium late. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$6.00.

***Champion of England.** Very productive and universally admitted to be one of the richest and best flavored peas. Height 4 to 5 ft.; seed whitish green and much shrivelled. We recommend this highly as a tall late variety. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$5.00.

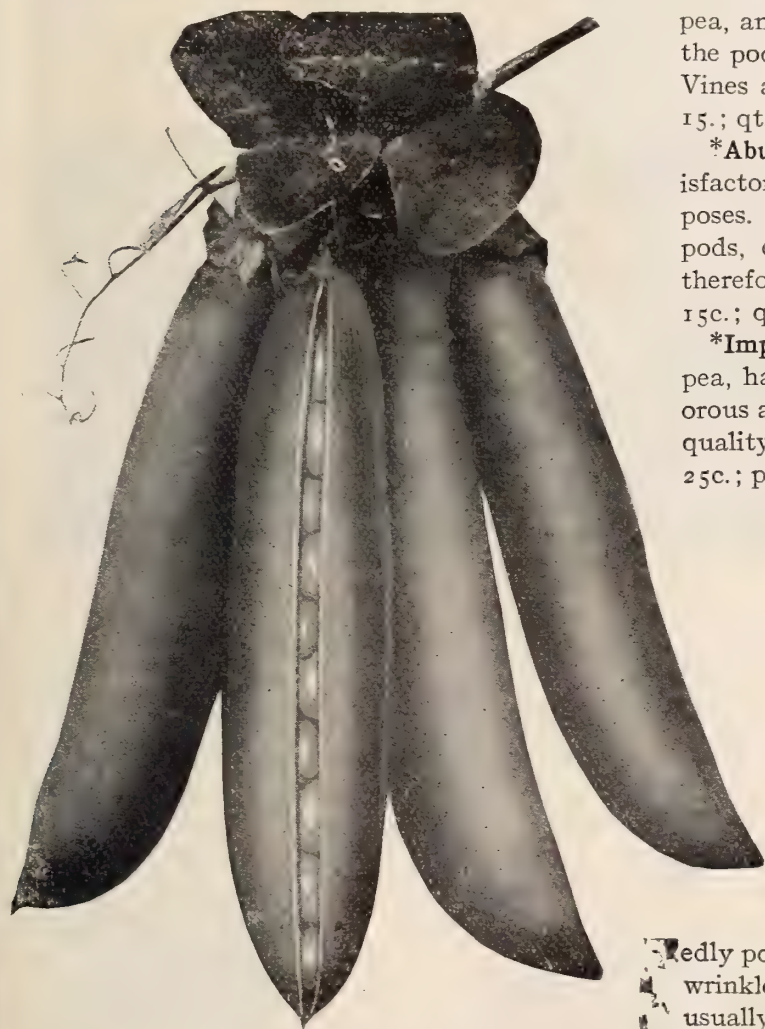
***Yorkshire Hero.** Productive and of excellent quality. Rather late. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$5.00.

***Telephone.** No pea to-day, of its class, is more meritorious or deservedly popular than the Telephone. Seed green wrinkled; height 3½ ft., productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size, excellent quality and very sweet. Late. Pkt. 5c.; pt. 15c.; qt. 25c.; pk. \$1.50; bu. \$6.00.

Improved Sugar Marrow Peas. We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large well filled pods. Pkt. 5c.; pt. 10c.; qt. 20c.; pk. \$1.00; bu. \$3.00.

French Canner. Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good. Late. Pkt. 5c.; pt. 10c.; qt. 20c.; pk. \$1.00; bu. \$3.50.

Cow Peas, Canada Field Peas, etc., valuable for soiling, forage and hay will be found under heading of Field Seeds on page 27.



TELEPHONE PEAS

Potatoes.

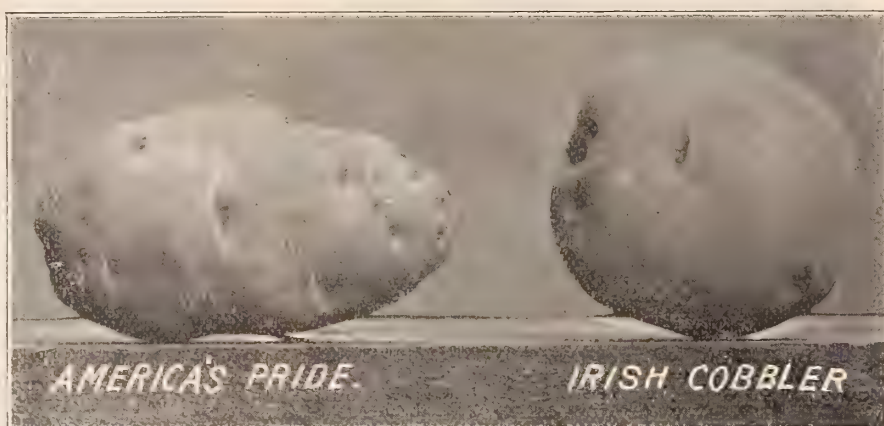
Eight Bushels to One Acre.

The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato, being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted and not allowed to come in contact with the tubers. On no other crop are the results from the use of the phosphates so manifest as on the Potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. The best fertilizers are plaster, lime, super-phosphate of lime and bone-dust. Potato scab can be entirely prevented by using flowers of sulphur in the rows with the phosphate. Use at the rate of 100 to 150 lbs. to the acre. Plant as early in the Spring as the ground can be thoroughly worked, in rows 3 feet apart and 1 foot in the rows; covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth.

IMPORTANT.

Prices of Potatoes are subject to market changes. Potatoes are forwarded by express or freight as directed, purchaser paying charges. We assume no risk on Potatoes, which are forwarded strictly at purchaser's responsibility.

Unless otherwise ordered, we always ship Potatoes in heavy sacks, containing 165 lbs. or one barrel.



Bliss' Triumph. Very early, thin red skin, round, white flesh. Pk. 50c.; bu. \$1.50; sack, \$3.75.

Pride of the South or White Bliss. Productive and extra early. White skin and flesh. Pk. 50c.; bu. \$1.50; sack \$3.75.

Irish Cobbler. This is an early potato of exceptional merit which has given our trade entire satisfaction. As shown by the illustration, the shape is rather round. Flesh is white and the eyes are strong and deeply set. Considering its earliness, productiveness and excellent quality, we do not hesitate to recommend this as one of the best early varieties. Pk. 50c.; bu. \$1.50; sack \$3.75.

Early Ohio. This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early. Pk. 50c.; bu. \$1.50; sack \$3.75.

America's Pride. A fine new extra early potato of Maine origin. It is a heavy yielder and of excellent quality. The shape is shown by the illustration above. Of good size, slightly indented eyes, white flesh. An excellent potato for market gardeners. Pk. 50c.; bu. \$1.50; sack \$3.75.

Bovee. This variety is of recent introduction and its general good qualities have attracted much attention. More productive and earlier than the Early Rose. Pink or flesh color, smooth, uniform marketable size, dwarf stocky vine permits close planting. Pk. 50c.; bu. \$1.50; sack \$3.75.

Crown Jewel. A well known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow but strong. Pk. 60c.; bu. \$1.60; sack \$4.00.

Houlton Rose. The Houlton strain of the old favorite rose has been the most popular on our market in recent years. It is preferred because it is a little earlier than the old Early Rose. A description of this variety is needless as almost everyone knows of its excellence in quality and as a cropper. Pk. 50c.; bu. \$1.50; sack \$3.75.

Early Rose. The New York stock of the Rose is still preferred by some growers and it is unquestionably very reliable. The stock we have is very fine. Pk. 50c.; bu. \$1.50; sack \$3.75.

If shipped in barrels, add 15c. to the cost per sack.

Potatoes. (Continued.)

Beauty of Hebron. A good idea of the shape of this fine variety can be had from the illustration. It is a very rapid and vigorous grower, ripening fully as early as the Early Rose, which it resembles but frequently exceeds in productiveness and excellence for table use. A very good keeper. Pk. 50c.; Bu. \$1.50; sack, \$3.75.

Rural New Yorker.

No. 2. A potato worthy of the attention of all growers. Of very distinct and handsome appearance, the tubers are large with remarkably smooth skin. The eyes are few, distinct and shallow. It is of extreme whiteness, both of skin and



flesh and is excellent for table. It has great vigor of growth and solidity of tuber which enables it to resist disease to a remarkable degree. Pk. 50c.; bu. \$1.50; sack, \$3.75.

Burbank. We have very fine stock of this old reliable late potato. The Burbank is of excellent quality, yields well and is a splendid keeper. Pk. 50c.; bu. \$1.50; sack, \$3.75.

Improved Green Mountain. For a main crop later potato, we consider this variety one of the best. It is very white, has an excellent flavor and is very productive. Very popular with those who have tried it. Pk. 50c.; bu. \$1.50; sack, \$3.75.

Early Norther, New Queen, Carmen No. 3, Prosperity. Choice Northern stocks. Choice Seed Sweet Potatoes, Leading Varieties. Prices on Application.

PUMPKIN.

Two quarts to the Acre. Hills Eight by Eight Feet.

Sow in good soil in May, when the ground has become warm, in hills eight or ten feet apart each way, or in fields of corn about every fourth hill; plant at the same time with the corn; always avoid planting near other vines, as they will hybridize.

Cashaw. An old standard variety which is very popular. It is also used for feeding stock, long yellow crook-neck, fine grained yellow flesh, very solid. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 60c.



CASHAW PUMPKIN

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 75c.

Tennessee Sweet Potato. Excellent for pies, pear shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 65c.

Cheese. Shape flat like a cheese box, good keeper, popular. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

Common Yellow Flued. Very productive; for feeding stock. Pkt. 5c.; qt. 15c.; lb. 30c.; 5lbs. 75c.

Prices subject to change without notice.

Radish.

One ounce for One Hundred feet of Drill, Nine to Ten Pounds in Drills to One Acre.

Sow for very early use, in hot beds during the Winter and very early Spring, or later on in sheltered borders, in well manured, deeply dug, and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough; sow in drills ten inches apart, and thin to two inches in the rows. Sow Winter varieties in July and August; like the turnip, they make the best growth in Autumn, and must be taken up before severe frost.

✓ **Deep Scarlet Forcing.** The earliest forcing radish. Very dainty. The roots are small and round. Deep rich scarlet with white flesh. Crisp and tender. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb 20c.; lb 55c.

✓ **White Tipped Scarlet Globe.** A good forcing variety. Small size and very attractive, being a handsome bright scarlet with white tip. Very early and of good quality. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb 15c.; lb 40c.;

✓ **White Pearl Forcing.** A beautiful long slender radish of recent introduction. Beautiful pearl white color, firm and solid, slow to get woody. A good seller. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb 20c.; lb 60c.

✓ **Early Scarlet Globe.** (See cut.) This variety can be used for forcing and is recommended for early outdoor planting. It is a small round red radish of excellent flavor. Its rich, crisp, tender flesh makes it very popular. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb 50c.

✓ **Early long Scarlet Short Top.** The principal out-door quick growing variety, also very good for forcing.

Used extensively for private and market gardens everywhere. Grown in light rich soil, it's average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 40c.

✓ **White Vienna.** (Lady Finger.) A fine long white radish. Beautiful shape, skin and flesh pure white, of excellent quality and a rapid grower. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 40c.

✓ **Philadelphia White Box.** Extra fine quality, remains solid and juicy a long while. Of perfect turnip shape. Desirable for frames. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 40c.

✓ **Felton's Model White Box.** Possesses all the excellent qualities of the old Philadelphia White Box, but is handsomer and earlier, with fewer and shorter leaves, hence can be sown much thicker. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 75c.

✓ **Early Scarlet, Olive Shaped.** In the form of an olive, terminating in a very slim tap root. Skin scarlet; neck small, flesh rose colored tender and excellent. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **Early White, Olive Shaped.** Like scarlet except the roots are clear white and longer. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **Large White Summer Turnip.** Round, smooth and very white, ; crisp and tender. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.



EARLY SCARLET GLOBE RADISH

Radish. (Continued.)

✓ **White Strasburg.** Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for summer use, as it withstands severe heat and grows very quickly. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 40c.

✓ **Golden Globe.** A favorite summer radish. Golden brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **Large White Stuttgart.** Very large, top shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for winter. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **New Celestial or White Chinese Half Long Stump Rooted.** A large stump rooted radish that is very popular as a winter radish. White skin and flesh, mild in flavor, brittle and never woody. Suitable for either late or early planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 65c.

✓ **Long Black Spanish.** A large winter radish with black skin and white firm flesh, grows six to eight inches long. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **Round Black Spanish.** Like the above except that it is round shape. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.

✓ **China Rose or Scarlet China.** Bright rose colored winter variety of excellent quality. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 15c.; lb. 50c.



WHITE STRASBURG
RADISH

Rhubarb or Pie Plant.

One Ounce will Produce 1000 Plants.

Cultivated for its leaf stalks which are used for pies and stewing. It is very wholesome and should be grown in every garden. Fine plants can be raised easily and cheaply from seed, or we can supply fine stock of roots at low prices.

St. Martin and Linnaeus. The two leading varieties. Prices of either:- Seed, Pkt. 10c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.50.

Roots, \$2.00 per dozen; \$10.00 per 100.

Salsify or Oyster Plant.

One Ounce to Seventy Feet of Drill.

Salsify succeeds best in a light, well-enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided as it will surely cause the roots to grow uneven and ill-shaped. Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy and may remain out all winter, but should be dug early in Spring, as they deteriorate rapidly after growth commences. Store a quantity for winter use in a pit or in a cellar in damp earth or sand.

Sandwich Island Mammoth. This is undoubtedly the best variety. Is a more vigorous grower than the old Large White, is larger and less likely to branch. The flavor is mild and delicious. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 30c.; lb. \$1.00.

Sunflower.

Mammoth Russian. The best variety. Very large and a heavy yielder. The seed is a good poultry food and the leaves make fine fodder. Lb. 7c.; by mail 15c.; 10 lbs. 50c.



SANDWICH ISLAND SALSIFY

Spinach.

One oz. to 100 feet of Drill; 10 to 12 lbs. in Drills for an Acre.

For Spring and Summer use, sow either broadcast or in drills, one foot apart and one inch deep, as early as the ground can be worked and every two weeks for succession. For Winter and early Spring use, sow in September, in well manured ground; cover with straw on the approach of severe cold weather.

The stronger the ground the more delicate and succulent will be the leaves.

✓ **New Victoria.** A variety which has become quite popular. Broad dark green leaves, heavy foliage, finest quality. It is a long-standing sort and remains in fine condition from two to three weeks after other varieties have run to seed. Not quite as hardy as Savoy. Pkt., 5c.; $\frac{1}{4}$ lb. 10c.; lb. 20c.; 10 lbs. \$1.50.



NEW VICTORIA SPINACH

✓ **Round Leaf Curled Savoy.** Numerous leaves, rounded at the ends, and well curled or crimped. Very productive. Recommended for Fall sowing. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 20c.; 10 lbs. \$1.50.

✓ **Long Standing.** A good variety for Spring sowing. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 20c.; 10 lbs. \$1.50.

Special Prices on Spinach in large quantities.



MAMMOTH WHITE BUSH SCALLOP SQUASH

Mammoth White Bush Scallop. An excellent strain. Early, prolific and much larger than the old White Bush. Splendid for market and best for shippers. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 50c.

Summer Crookneck. About one foot long with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 30c.; lb. 75c.

Hubbard. An excellent keeper and of splendid quality. Vines of strong running growth. Large olive shaped fruits with dark green skin and very rich flesh. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 25c.; lb. 75c.

Boston Marrow. This is a large fruited hard shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Fine strong running growth. Very productive, thick oval in shape. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 25c.; lb. 60c.

Winter Crookneck. Yellow flesh of excellent quality. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 75c.

SQUASH.

Bush sorts, one oz. for fifty hills, five to six lbs. to acre, running varieties, three to four lbs. in hills for an acre.

Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well manured hills, in the same manner as cucumbers and melons—the Bush Varieties three or four feet apart each way and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves, and danger from bugs is over, leaving three to four of the strongest plants per hill.



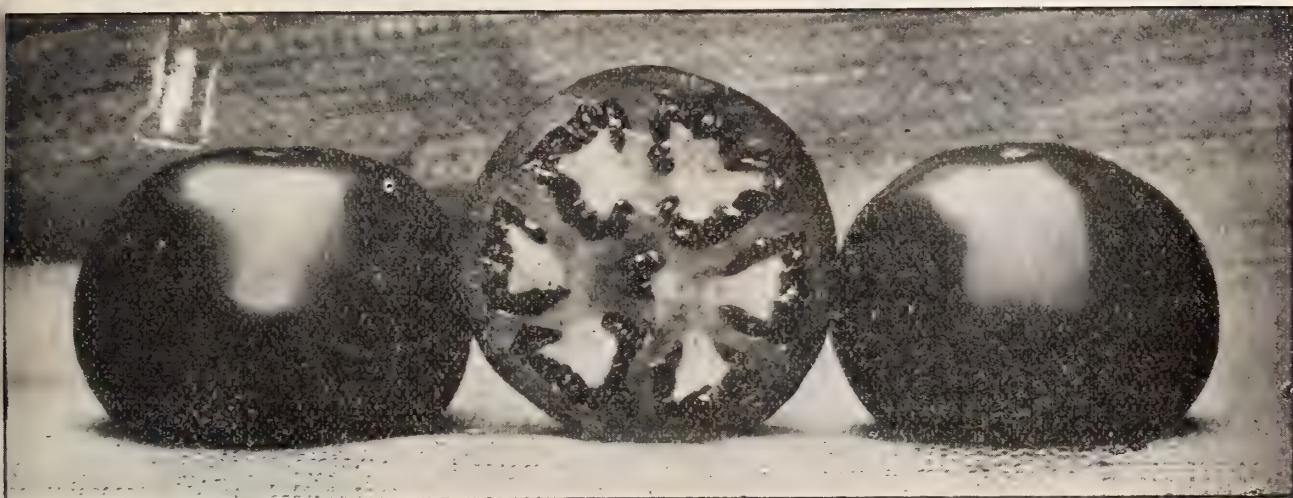
BOSTON
MARROW
SQUASH

Choice Vegetable Plants in Season.

Tomato.

One Ounce for Fifteen hundred plants, $\frac{1}{4}$ Pound (to Transplant) for an Acre.

For early plants sow in hotbeds early in March, in drills five inches apart, and one-half inch deep; when the plants are about two inches high, transplant into another hotbed four inches apart each way, plant out in the open ground early in May, or as soon as danger from frost is over, four feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with soil. Water freely at time of transplanting; when the first fruit is set, pinch off the ends of the branches to obtain early fruit. Sufficient plants for a small garden can be grown in a shallow box or a large flower pot by placing it in a sunny window of a warm room or kitchen. For late use, sow in sheltered border in May, and set out the plants in July; the green fruit can be picked off before frost and ripened under glass. By training Tomato vines on trellies, or tying to stakes, they will increase in productiveness and quality.



NEW STONE TOMATO

Chalk's Early Jewel. The finest of the very early tomatoes. About a week later than the Earliana but far superior in quality. Fine color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt. 10c.; oz. 50c.; $\frac{1}{4}$ lb. \$2.00; lb. \$6.00.

Spark's Earliana. Earliest of all. Fruits in clusters. Pkt. 5c.; oz. 40c.; $\frac{1}{4}$ lb. \$1.50; lb. \$5.00.

Atlantic Prize. Very early and productive. Bright red, large size. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 50c.

Acme. Early, medium size, purplish red, good quality. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Beauty. Splendid for early market and shipping. Purplish tinge, excellent quality. A fine variety for home gardens. A good yielder. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

New Queen. Large, solid, smooth, handsome deep red color, a heavy cropper and popular with canners. This variety closely resembles paragon. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Paragon. A fine red tomato closely resembling New Queen. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

New Stone. This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Brinton's Best. A very fine late crop tomato which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Favorite. Large, fine shape, dark red, productive. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Prize Talker. Large, fine shape, deep crimson, desirable. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Dwarf Champion. Stems short, thick, stiff, almost self-supporting. Fruit large, round, red tinged purple, borne in showy clusters. A good variety. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 50c.; lb. \$1.50.

Dwarf Aristocrat. Like Dwarf Champion, but red fruited. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 50c.; lb. \$1.50.

Ponderosa. Remarkably large and of fine quality. Very solid. Pkt. 10c.; oz. 35c.; $\frac{1}{4}$ lb. \$1.25.

Golden Queen. Bright yellow, large and solid. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.; lb. \$2.00.

Yellow Pear and Red Pear. Two small fruited kinds for preserves. Pkt. 5c.; oz. 25c.; $\frac{1}{4}$ lb. 75c.

Peach. Very small pink fruit with slight peach bloom on skin. Pkt. 5c.; oz. 25c.; $\frac{1}{4}$ lb. 75c.

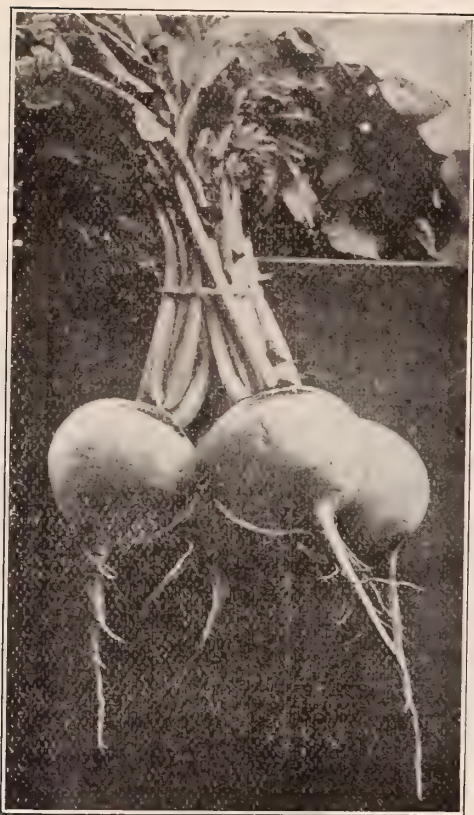
Tomato Plants. Fine stocks of carefully grown tomato plants of most all the leading varieties. Per 100 40c.; per 500, \$1.25; per 1000, \$2.00. If sent by mail add postage 10c. per 100 plants.

The Seeds We offer are from the very best Growers.

Lam

Turnip.

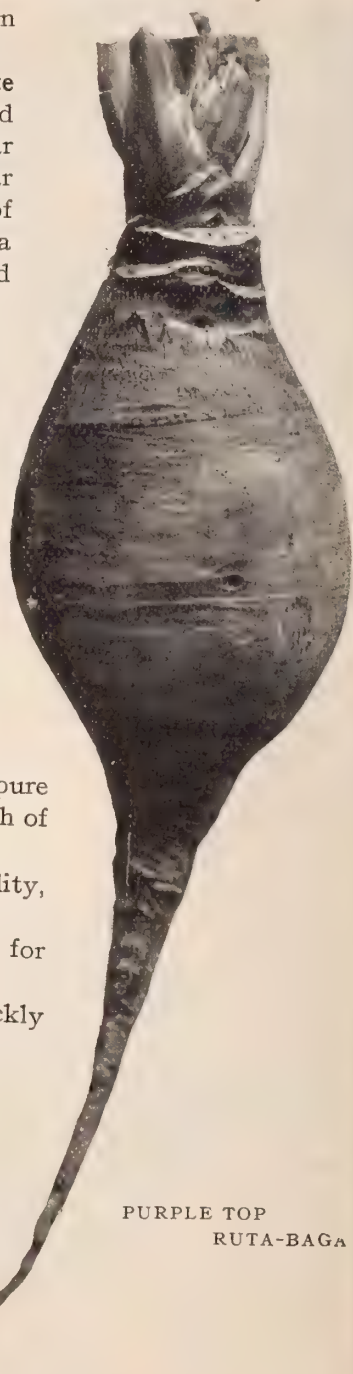
One Ounce for 100 Feet. Two Pounds to the Acre.



RED TOP WHITE GLOBE TURNIP

For early use, sow as soon as the ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For a succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw, and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the spring.

✓ **Red or Purple Top White Globe.** A variety of decided merit, and the most popular in our markets. Globular shape, very handsome and of superior quality. It is a heavy producer, early, of rapid growth and an excellent keeper. Besides being a first-class table turnip it is also very good for stock. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.



PURPLE TOP
RUTA-BAGA

- ✓ **Extra Early Purple Top Strap-Leaved.** The earliest in cultivation and a splendid turnip. Very flat, medium size, smooth with bright purple top. Leaves few and short and grow compact making very small top. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 40c.
- ✓ **Early White, Flat Dutch, Strap-Leaved.** Very popular, early, with clear white skin. Excellent quality flesh, mild and juicy. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **White Egg.** A quick growing egg shaped variety. Very smooth, pure white, grows half out of ground. Has small top and rough leaves. Flesh of excellent quality. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **Yellow or Amber Globe.** Excellent for table use or stock. Fine quality, keeps well. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **Pomeranean White Globe.** Free growing and rough leaved. Useful for table and stock. Large and productive. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **Golden Ball or Orange Jelly.** Rich, sweet, pulpy flesh. Grows quickly and keeps well. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **Purple Top Yellow Aberdeen.** Medium size, round, pale yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta-Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.
- ✓ **Improved Purple Top Ruta-Baga or Swede.** The leading variety of Ruta-Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid sweet, fine grained and of good flavor. Ruta-Bagas should be sown about one month earlier than other turnips. Pkt. 5c.; $\frac{1}{4}$ lb. 10c.; lb. 30c.

Special Prices to Market Gardeners and Buyers of large Quantities.

Choice Fruit Trees and Small Fruits.



CARMAN PEACH

APPLES.

First class trees, 50c., \$4.00 per dozen.
Starr. Flavor pleasant, subacid. Early in July.
Yellow Transparent. Very early and prolific.
Rambo. Good size, subacid flavor. Streaked.
Smokehouse. Sept. to Oct. Large, streaked.
Johnsons Fine Winter or York Imperial. Very fine keeper. Excellent quality. A grand apple.
Ben Davis. Large, handsome, good keeper;

PEACHES.

First class trees, 18c. each \$1.75 per dozen.
Carman. Large early yellow skinned peach of high quality. Hardy and free from rot.
Elberta. Very large and juicy. Yellow. Excellent.
Frances. Resembles Elberta and ripens after it.
Butler's Late. Magnificent new freestone peach. Very large, greenish white, red cheek, white flesh.

PEARS. 50c. each; \$5.00 per dozen.

Bartlett. Large, yellow with soft blush. Fine. **Koonce.** Early, free from blight and rot, a good shipper, yellow and carmine, good quality. **Kieffer.** Vigorous. Handsome fruit, good keeper.
Worden Seckel. Superior to Seckel, in size, color and beauty. Very prolific, little later than Seckel.

CHERRIES. 50c. each; \$5.00 per dozen.

Heart and Bigarreau Varieties. Baldwin very dark; Black Tartarian, large, sweet, dark; Ida, large, fine flavor, red and yellow; Bigarreau or Graffion (Yellow Spanish). Very large and handsome.
Duke and Morello Varieties. English Morello, above medium size, very dark, subacid; Carnation, large, yellowish white blotched with orange, subacid. May Duke, popular, medium size, dark red.

APRICOT. 25c. each, \$2.50 per dozen.

Moorpark. One of the largest and finest. Sweet, juicy, rich.

QUINCE. 35c., each, \$4.00 per dozen.

Champion. Greenish yellow, fruit large, cooks very tender.

PLUMS. 50c. each, \$5.00 per dozen.

Monarch. very large, dark purple; **Washington,** very large, yellowish green with red blush. **Climax,** very large, carmine an Oriental variety. **Willard,** very early Japan plum.

NUT TREES. 50c. each.

Spanish Chestnut; American Chestnut; English Walnut; Black Walnut; Paper Shell Pecans. **Japan Chestnut,** \$1.00.

STRAWBERRIES. 25c. per doz. 75c. per 100, \$4.00 per 1,000.

All the varieties named are perfect flowering sorts.

Tennessee Prolific. large and good color; **Gandy,** late, large fine fruit, good shipper. **Lady Thompson,** fine large berry, prolific, stands dry weather well; **Johnson's Early,** good quality, medium size, **Michael's Early,** good market sort, large and firm, **Sharpless,** large, good for family use and market.

BLACKBERRIES. 50c. per dozen, \$3.50 per 100.

Wilson's Early. Valuable large early variety, early and prolific. **Lucretia.** Dewberry type, large, productive, **Erie,** large, hardy, coal black and early. **Snyder.** Hardest known, medium size.

Miscellaneous Small Fruits.

RASPBERRIES. 75c. per doz., \$3.50 per 100. Choice Red or Black Varieties.

GOOSEBERRIES. \$1.50 per doz., \$5.00 per 100. Choice Red or Green Varieties.

CURRENTS. \$1.00 per doz., \$6.00 per 100. Choice Red or White Varieties.

GRAPES. 25c. each, \$2.50 per doz. Concord, Catawba, Niagara, Delaware.



WILSON'S EARLY BLACKBERRY

S. L. Lamberd Co's Wonderful Corn.

As its name implies this is a truly wonderful yellow corn, a very heavy cropper and splendid for ensilage. Should be planted not later than the 20th of May. It grows a strong stalk about the height of the "Golden Beauty" and on poor land it has made four barrels more than any other variety. In a field of eighteen acres it averaged over twenty barrels to the acre. On some parts of the field it ran twenty-five barrels to the acre. The average length of the ears is twelve inches, while quite a large portion of them measure fourteen inches. Stands well after maturity. The illustrations are taken from actual photographs. Give it a trial. $\frac{1}{4}$ pk. 25c.; pk. 75c.; bushel \$2.00.

We offer the following desirable varieties. The prices of all are:

Pk. 50c., Bushel \$1.50.

Yellow Leaming. Early; withstands drought well; strong and vigorous. Fair size ears.

Golden Beauty. Large broad-grained yellow corn. Ears are well filled out. A heavy yielder.

Maryland Yellow Dent. Large ear; moderate size stalk; withstands drought well.

Hickory King. A very broad-grained white corn, that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three.

Snow White Dent Corn. A fine large deep grained variety, originated by one of the best corn breeders of the west.

Red Cob Ensilage. Sweet, tender and juicy. It has short joints and produces an abundance of foliage. A very popular variety.

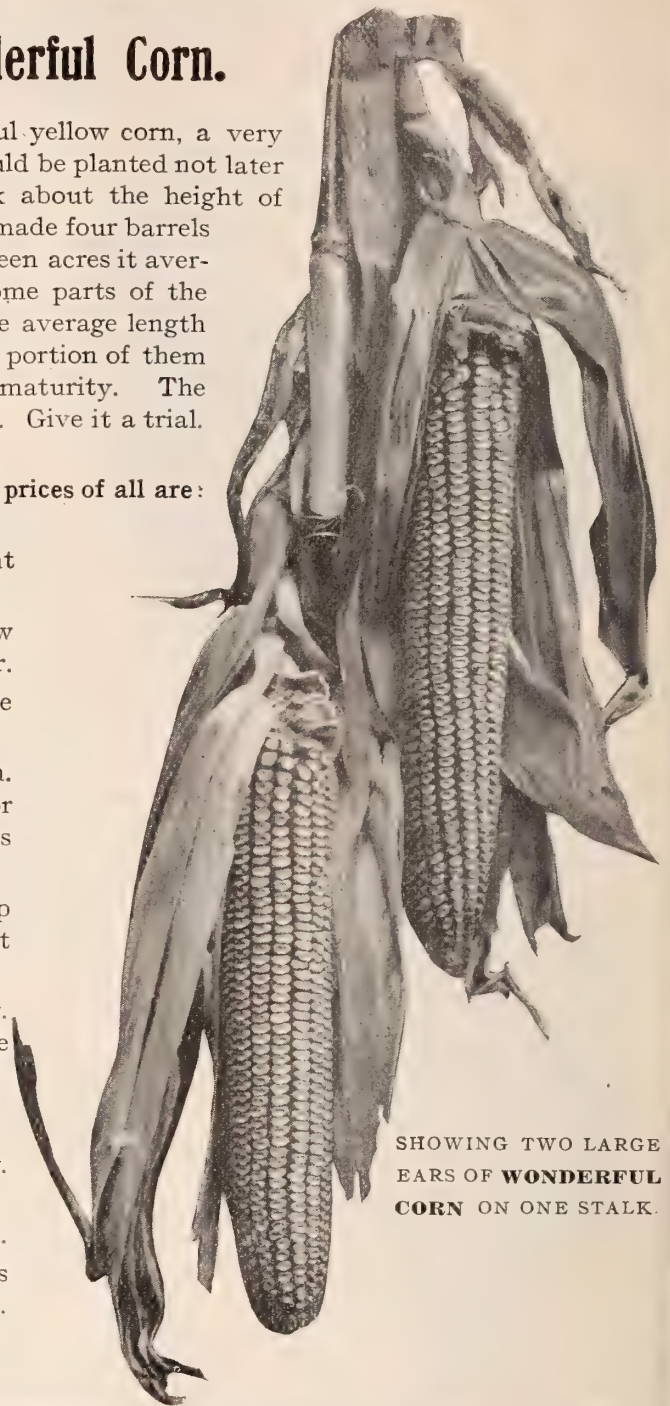
SEED OATS.

Welcome. Heavy, productive, stiff straw. Bushel, \$1.00.

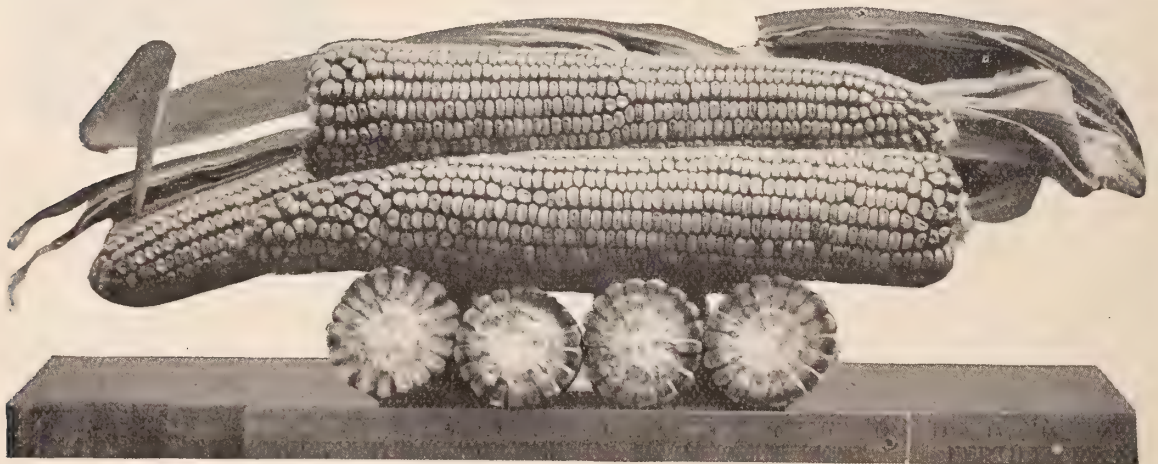
White Seed Oats. Carefully selected. Bushel, 75c.

Virginia Winter. Very heavy and hardy. Stands our winter well and mature quickly. Bushel, 75c.

SEED WHEAT, RYE, BUCKWHEAT, AND BARLEY.



SHOWING TWO LARGE EARS OF **WONDERFUL CORN** ON ONE STALK.



SPECIMEN EARS OF **WONDERFUL CORN.**

Farm Seeds are Generally sent by Express or Freight.

Miscellaneous Field, Clover and Grass Seeds.

Kaffir Corn. Fine forage and good poultry food. 4 to 5 lbs. to the acre. 10 lbs., 50c.; 100 lbs., \$3.00.

Early Amber Sorghum or Sugar Cane. Desirable for ensilage or fodder. Relished by all kinds of stock. In drills, 4 qts.; broadcast, 8 qts. to acre. Lb., 10c.; bu., \$1.75.

Evergreen Broom Corn. Lb., 20c.; bu., \$2.50.

Japanese Buckwheat. The best. Pk., 40c.; bu. \$1.25.

Dwarf Essex Rape. A very valuable forage plant. Sown in Spring or Fall, grows very rapidly. Broadcast, 10 lb. to acre or drilled at the rate of 5 lbs. 5 lbs., 40c.; 100 lbs., \$7.00.

Teosinte. A wonderful fodder plant. Produces very heavy growth. Drill 3 lbs. to acre. $\frac{1}{2}$ lb., 60c.; lb., \$1.00.

Soja Beans. Valuable for forage, fodder, silage and for soiling. Use $\frac{1}{2}$ bu. to the acre. Pk., 70c.; bu., \$2.25.

Black Cow Peas. Very valuable for improving land and for forage. Sow in May or June, 1 to 2 bu. to acre.

Canada Field Peas. For soiling and pigeon feed.

Clay and Whip-Poor-Will Cow Peas. At market prices.

Scarlet or Crimson Clover. Sow from May to October. Sown early it can be pastured in the Fall and will make a crop of hay the following Spring. It does well on poor land. Hay should be cut just before coming into full bloom. It supplies nitrogen and potash to the soil. 15 lbs. to acre. Per lb., 8c.; bu., \$4.25. Prices subject to market changes.

Red Clover. Excellent for hay, pasture and as a vegetable fertilizer. The best known variety. 15 lbs. to acre.

White Clover. A small creeping variety, valuable for pastures and lawn mixtures. Lb., 30c.; 100 lbs., \$25.00.

Alfalfa or Lucerne Clover. Very valuable, stands for years roots go very deep and it resists driest weather, increases fertility. Sow 10 lbs. to the acre. (Market prices.)

Alsike Clover. For pasture or soiling. Seeds itself freely.

Orchard Grass. Very desirable for pasture and for shady places and when sown with Clover it makes excellent hay. Sow 28 lbs. to the acre. Per bu., \$2.00.

Red Top or Herds Grass. Good for permanent pastures. Takes two years to become established. Sow 2 bu. to acre. Chaff Seed, sack (50 lbs.) \$1.00; bu., (10 lbs.) 25c. Fancy re-cleaned seed, per lb., 15c.; per 100 lbs., \$10.00.

Blue Grass. Thrives on a dry soil and stands the hottest weather well. Two bu. to acre. Fancy seed \$1.50 per bu.

Timothy. The well known hay grass. Does best on loamy soils. A heavy producer but aftermath is light.

German Millet. Better than Hungarian. Makes good hay. Should be cut just before the leaves turn. 50 lbs. to acre.

Hungarian Millet. One bushel to acre.

Rhode Island Bent Grass. Of creeping habit and hardy. Good for lawns and pleasure grounds. Lb., 35c.; bu., \$4.50.

English Rye Grass. Very valuable for permanent pastures in situations not too dry. 2 bu. to the acre. Per bu., \$1.25.

Sweet Vernal. Desirable for its odor. Per lb., \$1.50.



Kaffir Corn



CRIMSON CLOVER.



ALFALFA OR LUCERNE.



RED-TOP, OR HERDS GRASS.

Write for special prices on these and other Leading Grasses.

S. L. Lamberd Co's. Pasture Mixture. Carefully prepared and will give good results. In ordering state whether the seed is to be sown on high or low ground. Per bu. of 14 lbs., \$2.25.

Prices of Everything on this Page are subject to Market Changes and will be quoted on Application.

S. L. Lamberd Co's Celebrated Grass Seed Mixtures.

FOR LAWNS
AND

PLEASURE
GROUNDS.



Mr.
J. F.
Wessler,
Supt. Carroll Park, Baltimore, says: "The grass seed bought of you has given entire satisfaction."

LAWN SCENE
AT CARROLL PARK
BALTIMORE.

To have a good lawn it is essential to have good grass seed, seed that is not only good of its kind, but is the right kind. Our grass mixtures are the result of experience and careful study of the character of the ingredients of which they are composed and the grade of the seeds used is the best. In preparing these mixtures, permanency, color, texture and many other points are carefully considered. We earnestly ask a trial, and we are satisfied that you will be pleased with the results.

S. L. Lamberd Company's "Perfection Evergreen" Lawn Mixture.

This is our best mixture and it is used exclusively on many of the finest lawns around Baltimore, by leading Cemeteries and Parks. Quick to recover after being cut, it retains its color and grows vigorously in hot weather and does well in shady places. It stands well when subjected to rough usage and tramping. This is an exceptionally fine mixture, carefully balanced and will give splendid results. Pint, 10c.; quart, 20c.; pound, 25c.; 5lbs. \$1.10; bushel, (20 lbs.) \$4.00.

Mr. Frank S. Ely, Comptroller of Druid Ridge Cemetery, says: "Our lawns are more nearly evergreen than any others in our neighborhood, showing green earlier in the Spring and holding their color later in the Fall and they do not suffer from summer droughts to any extent. We take pleasure in recommending your Evergreen Lawn Grass Mixture to anyone wishing a first-class lawn."

Note.—To get good lawns you should sow not less than one quart of seed to 200 sq. ft. or four bushels to the acre. Dig the soil well, prepare it thoroughly and manure or fertilize it heavily.

We handle the best Lawn Mowers, which are Coldwell's.

S. L. Lamberd Company's Special Golf Ground Mixture.

This mixture is prepared especially for golf grounds and putting green. The grasses used are low growing hardy varieties which give a permanent fine sward which is at the same time tough. This is a very high grade mixture but is cheapest because it gives desired results. Per bu. (20 lbs.) \$4.00.



GOLF LINKS AT BALTIMORE COUNTRY CLUB.

S. L. LAMBERD COMPANY'S MIXTURE FOR ATHLETIC GROUNDS.

This is prepared with a special view to hardness so that it will withstand tramping and severe usage. We recommend it for base-ball and foot-ball fields and for golf grounds and tennis courts. Although this mixture will not give as fine a turf as our Special Golf Mixture, at the same time it is as good as a great many golf Mixtures that are offered. Per bu. (15 lbs.) \$2.50.

S. L. LAMBERD COMPANY'S TERRACE MIXTURE.

We recommend this mixture for terraces and steep slopes where it is often very difficult to get a good sod. Try our mixture, it will do well for you. Qt. 35c.; pk. (5 lbs.) \$1.50, Bu. (20 lbs.) \$5.00.

SPECIAL LAWN MIXTURES.

If you have a lawn where, on account of unfavorable conditions you have heretofore been unable to get a good set of grass or if you wish grass in a very shady place, write to us, explaining conditions and let us prepare a Special Mixture for you. We are sure we can please you.



TERRACES AT CARROLL PARK.

A Full Line of Lawn Requisites.



GIANT MIXED COSMOS

Choice Flower Seeds.

1. **Ageratum.** For beds or borders. Dwarf, mixed 5c.
2. **Alyssum.** Free flowering plants for bed, edging and rock work. **Carpet of Snow**, dwarf, pure white, 5c.
3. **Amaranthus.** **Caudatus.** (Joseph's Coat) Blood red, 5c.
4. " **Tricolor Splendens.** (Joseph's Coat) 5c.
5. **Antirrhinum.** (Snapdragon) A showy border plant, 5c.
6. **Asters.** **Comet Asters** (see cut) A very handsome class
Choicest mixed, five distinct colors, 10c.
7. **Asters.** German quilled mixed, double choice colors, 5c.
8. **Bachelor's Button.** A first-rate bedding plant 5c.
9. **Balsam.** (Lady's Slipper.) Very fine collection, mixed 5c.
10. **Balloon Vine.** (Love-in-a-puff.) Annual climber, 5c.
11. **Balsam Apple.** A climber with very useful fruit, 5c.
12. **Begonia.** Tuberous rooted. Finest prize mixture 25c.
13. **Campanula.** (Canterbury bells.) Single mixed, 5c.
14. **Calendula.** (Pot Marigold.) Free-flowering, mixed, 5c.

15. **Canna.** One of the finest bedding plants, 5c.
16. **Calliopsis.** Showy free flowering plants. Hardy annuals of easy cultivation. Choicest mixed, 5c.
17. **Candytuft.** For beds and massing, mixed, 5c.
18. **Carnation.** **Marguerite.** Very best variety for amateurs. Popular with all growers. Mixed, 10c.
19. **Carnation.** A mixture of very best colors, 5c.
20. **Celosia.** (Coxcomb) Free blooming annuals Grand for borders and very good for pots, mixed, 5c.
21. **Centaurea.** (Corn Flower.) Beautiful sweet scented flowers. One of the finest annuals. Choice mixture of very fine colors, 5c.
22. **Centurea.** (Dusty Miller) For borders. Beautiful silver leaves, 5c.
23. **Chrysanthemum.** Showy and effective garden favorites. These summer-flowering border plants are quite distinct from the Autumn flowering varieties. Double fringed, mixed. Yellow and white, 5c.



MARGUERITE CARNATION



COMET ASTERS

24. **Cineraria.** For hot house and window garden. Prize mixture, 35c.
25. **Cosmos.** An Autumn flowering plant. A charming, profuse bloomer. **Giant Rainbow** variety, frilled. All colors mixed, 10c.
26. **Cosmos.** Choice mixed colors, large flowering kinds, 5c.
27. **Convolvulus.** (Morning Glory) Dwarf varieties, mixed colors, 5c.
28. " **New Imperial Japanese Large Flowering Morning Glory** exceedingly vigorous, immense flowers, beautiful coloring in flowers and foliage. Finest ever produced, 10c.
29. **Convolvulus.** Choice mixture of climbing Morning Glories, 5c.
30. **Cypress Vine.** Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White and scarlet mixed, 5c.
31. **Dahlia.** Bloom first year from seed if sown early. Double mixed, 10c.
32. " Single varieties from seed are very popular, mixed, 10c.

We offer Nothing but very Choice Flower Seeds.



DOUBLE DIADEM DIANTHUS

46. Hollyhock. Fine mixture of good double varieties, 5c.
47. Larkspur. Double dwarf Rocket, finest mixture, 5c.
48. Lobelia. Dwarf varieties for bedding. All colors, 5c.
49. Marigold. Dwarf French, fine colors mixed, dbl. 5c.
50. Mignonette. Parson's White, large and fragrant, 5c.
51. " Matchet or French, dwarf red variety, 5c.
52. Moonflower. Large white fragrant flowers, 10c.
53. Myosotis. (For-get-Me-Not,) Neat and beautiful, 5c.
54. Nasturtium. (see also page 14.) tall mixed colors, 5c.
55. " Dwarf or bedding varieties, fine mixed, 5c.
56. Oxalis. Beautiful small plants, Half-hardy. Mixed 10c.
57. Pansy. The general garden favorite. Choice mixed 5c
58. " Giant Exhibition Mixed. A magnificent strain, secured from specialists in Germany and France, 15c.
59. Passion Flower. Southern Beauty. Climber. Mixed, 10c.
60. Petunia. Giant California. Enormous flowers. Mixed, 25c
61. Petunia. Fine mixture of all principal colors, 5c.
62. Phlox. Incomparable for beauty and usefulness, 5c.
63. Poppy. Shirley. Fine range of colors. Mixed 5c.



CHOICE MAMMOTH VERBENA

33. Daisy. Easily raised from seed. Choice mixed, 10c.
34. Dianthus. One of the most popular flowers in cultivation blooms profusely. Great variety of colors, Extra choice, [Double Diadem, or Japan Dianthus, mixed, 10c,
35. Dianthus. Extra double China, choice mixed colors, 5c.
36. Digitalis. Handsome hardy perennial. Choice mixed, 5c.
37. Helichrysum. (Straw Flower) Popular everlasting, 5c.
38. Eschscholtzia. (California Poppy) choice mixture, 5c.

Fox glove, common name for Digitalis, see number 37.

For-Get-Me-Not, see Myosotis, number 54.

39. Fuchsia. (Lady's Ear Drop) finest sorts mixed, 25c.
40. Gourds. (see also page 10.) Best mixed sorts, 5c.
41. Gloxinia. A superb greenhouse plant. Mixed, 25c.
42. Helianthus. (Sunflower.) Oscar Wilde, Single yellow, 5c.
43. Helianthus. Mammoth Russian Sunflower (see page 21.)
44. Heliotrope. Giant Hybrids, Lemoines, produces extra large flower spikes in abundance, double size old sorts, 10c.
45. Hollyhock. Giant Double Allegheny, the finest in point brilliancy of color and hardiness, 10c.



SALVIA SPLENDENS (SCARLET SAGE)

64. Portulaca. Choice single, mixed colors, 5c.
65. Primula. Prize mixture, very choice strain, 25c.
66. Ricinus. (Castor Oil Bena.) mixed varieties, 5c.
67. Salvia. (Scarlet sage) Great favorite, 5c.
68. Scabiosa. (Mourning Bride) Very handsome, 5c.
69. Smilax. A graceful white climber, 10c.
70. Snap Dragon. Common Name for Antirrhinum.
71. Stocks. Mixed large flowering.
Sweet Peas, (see page 32.) 5c.
72. Sweet William. Choice mixed colors, single, 5c.
73. Verbena. Choice Mammoth mixture, Very fine, 10c
74. Verbena. Fine mixture of choice colors, 5c.
75. Wallflower. Well known. Deliciously fragrant, 5c.
76. Wildflower Garden. Fine mixture of old favorites, 5c
77. Zinnia. Choice mixture from double flowers, 5c.

Perfection Sweet Pea Mixture.

This is a carefully balanced mixture made up of the named varieties mentioned below, with a generous portion of the lighter shades. It will give a splendid range of the choicest colors. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c. lb., 50c.

CHOICE NAMED VARIETIES.

Apple Blossom. Bright rose and pink.
Blanche Burpee. Fine, large white.
Blanche Ferry. Pink and white.
Boreatton. Beautiful deep Maroon.
Cardinal. Bright cardinal red. Showy
Capt. of the Blues. Purplish mauve.
Celestial. Pale lavender. Delicate.
Coquette. Violet and primrose.
Duke of Clarence. Bright rosy scarlet. Showy.
Firefly. Deep rich scarlet. Showy.
Gaiety. Purplish pink, white striped
Lady Beaconsfield. Salmon and primrose.
Lemon Queen. lemon and white.
Monarch. Purplish Maroon and blue.
Peach Blossom. Salmon, buff and pink.
Primrose. Fine pale primrose yellow.
Princess of Wales. Blue mauve, striped white, fine.
Splendor. Bright rose pink. Very showy.

Any of above varieties: pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb. 50c.

Culture of Sweet Peas. Sow early in rich mellow soil, in a well-drained trench six inches deep. Sow peas in bottom of trench and cover **not over two inches**. When about five inches high, fill up trench and furnish support for plants to run on. Flowers should be picked to insure continuation of bloom.



BLANCHE BURPEE SWEET PEAS.



DAHLIA—M. D. HALLOCK.

DAHLIAS.

Now among the most popular of all flowers. The stocks we offer are grown by leading experts and the varieties are carefully selected as the best.

Countess of Lonsdale. (Cactus variety.) Salmon pink.
Gloriosa. (Cactus variety.) Vivid carmine scarlet.
C. W. Bruton. (Decorative variety.) Canary yellow.
Grand Duke Alexis. (Decorative.) Creamy white. Lilac tips.
Henry Patrick. (Decorative.) Pure white. Long stems.
Maid of Kent. (Decorative.) Crimson and white mottled.
Orange King. (Decorative.) Rich Orange profuse bloomer.
Wm. Agnew. (Decorative.) Rich scarlet. Very fine.
Arabella. (Show variety.) Sulphur tipped with pink.
Electric. (Show variety.) Brilliant magenta. Very fine.
M. D. Hallock. (Show variety.) Clear yellow. A favorite.
Mrs. Gladstone. (Show variety.) Shell pink. Very fine.
Single Dahlias. Best varieties in all colors.

Any of the above: First size roots, 10c., each., by mail, 12c.; \$1.00 per doz. Second size at half price.

Special Prices to Buyers of Large Quantities.

Begonias.

Tuberous; Single mixed, ea. 10c.; doz. \$1.00; dbl, ea. 25c.; doz. \$2.50,

CALADIUMS. (Elephant's Ears.)

First size bulbs, 5c. each; by mail, 10c.; 50c. per doz.

CANNAS.

We mention below twelve of the best Cannas known. The prices for any of the kinds we mention are: Dry roots, each, 5c.; by mail 8c.; per doz., 40c.; Plants in 3 in. pots, 15c. each; \$1.50 per doz.

Alemannia, yellow and reddish crimson. **Austria**, golden yellow, superb. **Burbank**, golden yellow, blotched red. **Chas. Henderson**, deep crimson, yellow at throat. **Egandale**, dark foliage, brilliant orange-scarlet flower. **Flamingo**, beautiful velvety crimson. **Florence Vaughan**, golden yellow, spotted crimson. **Italia**, yellow, slightly blotched crimson. **Leonard Vaughan**, dark foliage, orange-scarlet flower. **Mine D'or**, nearly pure yellow. **Paul Marquant**, salmon-pink. **Queen Charlotte**, orange-scarlet, broad belt of rich yellow. **See. Chabanne**, peculiar shade of salmon.

CHRYSANTHEMUMS.

Standard Large Flowering Varieties. We have very fine strains of the leading large flowering sorts. All colors, 10c. each; 75c. per doz.

Hardy Pompon Varieties. Any of the following at 10c. each; 75c. doz. **Aunt Jane** large yellow. **Dan Patch**, orange-red. **Joshua**, pale primrose. **Major Delmar**, white. **Miraflores**, red bronze. **Prima Donna**, lilac. **Aquillea**, quilled, white. **Ethel May**, red. **Lazarre**, pale primrose. **Ocqueoc**, snow white. **Mingo**, lemon yellow. **Lou Dillon**, rich pink. **Donkelarii**, fine, golden yellow.

Globe D'or, dwarf; yellow. **Grandeur**, golden bronze. **Paragon**, pure yellow. **Premier**, velvety crimson and gold. **The Czar**, golden-bronze, yellow edge.

The first six of the above named are the Anemone type, the second six the single the third six the large flowering or Aster.

COLEUS.

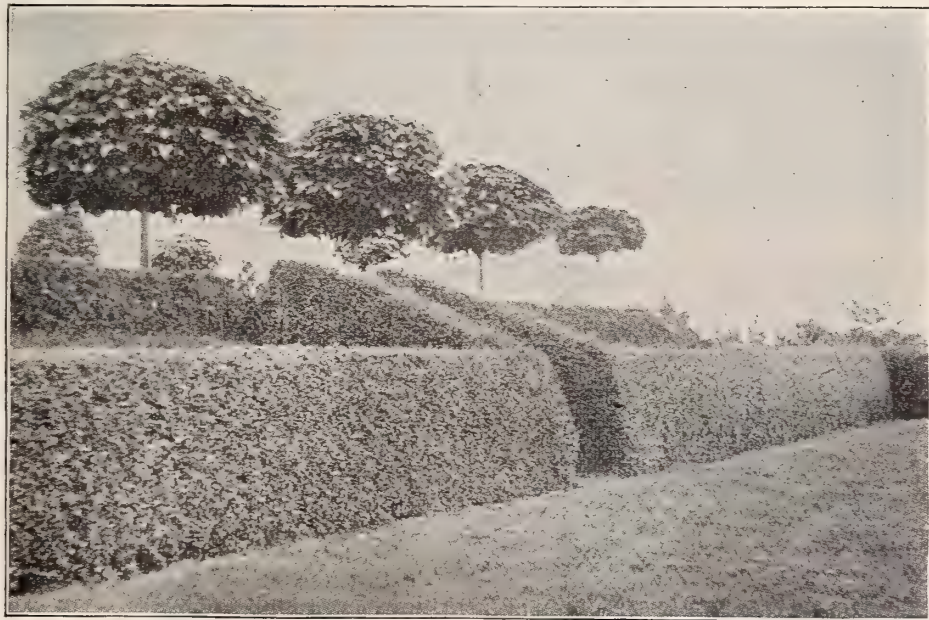
Choice varieties, all colors and shades, 10c. each; 60c. per doz.

GLADIOLUS.

The stocks we offer are of excellent quality. Mixed, 5c. each; 30c. per doz.



Pearl Tuberose



A HEDGE OF CALIFORNIA PRIVET.

LILLIES.

Lilium Auratum, (Golden Banded Lily of Japan) extra large bulbs, 15c., postpaid.

White Calla Lily, Large bulbs 15c. each, postpaid.

MISCELLANEOUS PLANTS.

Geraniums. Excellent stocks of all single and double varieties, all colors. 15c. each; \$1.00 per doz. **Carnations.** Best hardy sorts; in pots, 50c. doz. **Heliotrope.** White or Lilac colored, \$1.00 doz. **Petunias.** Single mixed, \$1.00 per doz.; double, \$1.25. **Scarlet Sage.** \$1.00 per doz.

HARDY EVER-BLOOMING ROSES.

The following free-blooming varieties, good two year old plants in pots 35c. each; \$4.00 per doz. **White Cochet**, **Maman Cochet**, **Marshall P. Wilder**, **General Jacqueminot**, **Ulrich Brunner**, **Baroness Rothschild**, **Mrs. John Laing**, **Paul Neyron**, **Magna Charta**, **Clio**, **La France** or any leading variety.

CALIFORNIA PRIVET.

The well known hedge plant and undoubtedly the finest of all hedge plants. Very vigorous and hardy. 1 to 2 feet, good stocky plants, \$5.00 per hundred, smaller plants, \$3.00 per hundred.

Finest stocks of Evergreen and Shade Trees. Prices on application.

Fertilizers.

The Brands of Fertilizers which we offer are prepared according to formulae which have been carefully studied out and we feel confident that in them are incorporated those elements best suited for the crops for which they are recommended. Our customers can rest assured that when they buy Fertilizer from us that they receive goods that are carefully compounded from the best ingredients and which will give splendid results. We solicit a trial order in this department and we are satisfied that after using our Fertilizers you will have no hesitancy about testifying to their excellence.

Prices of Fertilizer on application. Drop us a card.

BOSS FERTILIZER.

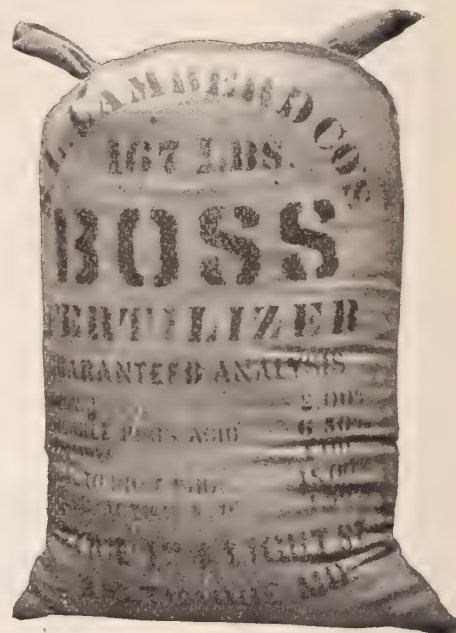
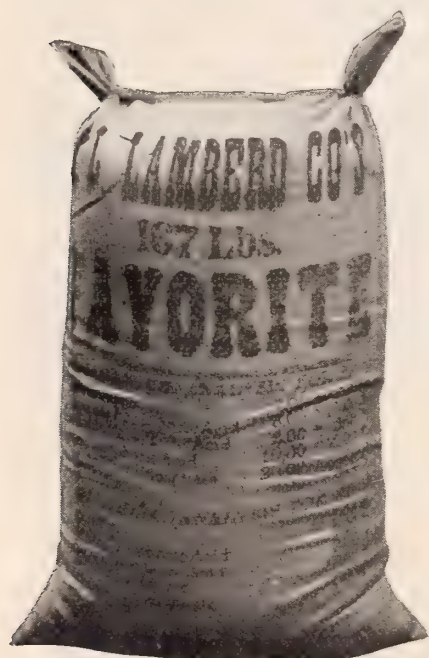
This brand of goods possesses all the valuable elements of a high grade Animal Bone Fertilizer, and we are pleased to say that it gives results far beyond our greatest expectations. It can be used on all crops with equally as good results. All we ask is a trial along side of anything on the market and it will come out, as its name implies, "Boss."

ANALYSIS.

Ammonia.....	2%	Insoluble Phos. Acid...	1%
Available Phos. Acid...	7%	Equal to Bone Phos-	
Potash (Actual).....	4½%	phate.....	18%

FAVORITE FERTILIZER.

This brand is intended as a general crop grower, and will be found equal in quality to any of the brands of this grade on the market. It contains all of the necessary elements, properly combined, and in an available form to the plant from start to finish. It has become the favorite of all those that have given it a trial. Get our prices before placing your order. Recommended for wheat and grass.



ANALYSIS.

Ammonia.....	1%	Total Phos. Acid.....	9%
Available Phos. Acid....	8%	Equal to Bone Phos....	22%
Insoluble Phos. Acid....	1%	Potash (Actual)	2%

HIGH GRADE ACID PHOSPHATE. (South Carolina Rock.)

We advise the use of Bone Fertilizers but, there are a great many farmers who use Acid Phosphate for grain and get good results. It should not be used where a lasting fertilizer is desired to benefit the grass crop that is sowed with the wheat.

ANALYSIS.

Available Phos. Acid....	14%	Insoluble Phos. Acid....	1%
Total Phos. Acid.....	15%		

FINE GROUND RAW BONE MEAL.

All intelligent farmers realize the value of this fertilizer. Our Bone Meal is ground by improved machinery to a fine condition without any admixture or treatment with any dryer. Strictly pure.

ANALYSIS.

Ammonia.....	4%	Phosphoric Acid.....	22%
		Equal to Bone Phos. Lime	48%

PURE DISSOLVED ANIMAL BONE.

Nothing but the very best bone used in the manufacture of this brand. Recommended for wheat and grass.

Ammonia.....	2½%	Available Phosphoric Acid.....	10%	Equal to Bone Phosphate....	25%
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Special inducements to Buyers of large quantities.

Soft Ground Bone.

This will be found one of the most economical of all fertilizers. It is composed mostly of butcher's refuse bone and prepared by a process that renders it quickly available in the soil. It assists the crop during its entire growth and permanently enriches the soil. A good lawn fertilizer.

ANALYSIS.

Ammonia.....3% Phosphoric Acid.....11% Bone Phosphate of Lime.....25%

SPECIAL ANNE ARUNDEL MIXTURE.

We first offered this in Anne Arundel County a few years ago and as it gave such excellent results, we called it our "Anne Arundel Mixture". The material which enters into its composition is carefully selected and proportioned so as to give the best results. Being made from Animal Bone base, it will not fire or burn readily and will improve the soil. If you want to improve your farm, use "Lamberd's Anne Arundel Mixture."

ANALYSIS.

Ammonia..... 3% Total Phos. Acid..... 9%
Available Phos. Acid..... 8% Equal to Bone Phos.22%
Insoluble Phos. Acid. 1% Potash (Actual).... 3%

TRUCK PHOSPHATE.

This brand has been used largely by the most successful truckers and is prepared especially for early vegetables. In its composition our aim has been to furnish the ammonia in such a form as will give the crop a quick start and keep it growing. We can give the assurance to all potato and truck growers that this brand will meet every requirement. It is in fine dry condition and can be applied with a drill.

ANALYSIS.

Ammonia..... 4% Total Phos. Acid..... 8%
Available Phos. Acid.... 7% Equal to Bone Phos...18%
Insoluble Phos. Acid... 1% Potash (actual) 4%

Imperial Plant Food. A most reliable plant fertilizer. Can be used dry or is readily soluble in water. Just the thing for house plants. 1lb. 35c.; 55oz.; pkg. \$1.00.

Canada Wood Ashes. 100lbs. \$1.75; ton price on application.

Lawn Dressing. 5 lbs. 30c.; 25lbs. \$1.00; 100 lbs., \$3.00

NOVA SCOTIA LAND PLASTER, KAINIT AND GROUND ALUM SALT—(Prices on Application.)

Sphagnum Moss. For growing orchids and packing plants and trees. Bbl., \$1.25; Bale, \$2.50.

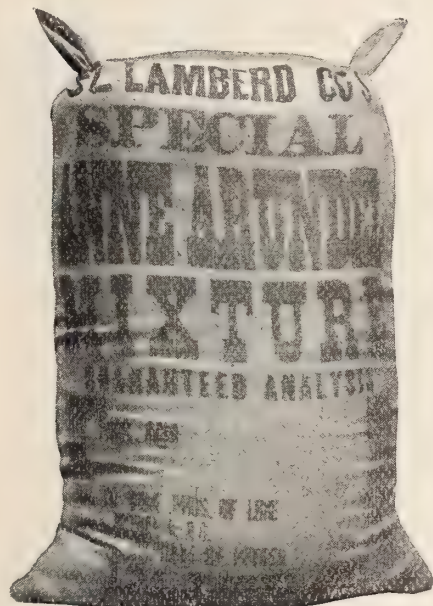
Jersey Peat, per bbl., \$1.50.

Plain Pot Labels. Prices per 1,000; 3½ in., 55c.; 4 in., 65c.; 4½ in., 70 c.; 5 in., 75 c.; 6 in., \$1.00.

Painted Pot Labels. Prices per 1,000; 3½ in., 75 c.; 4 in., 80 c.; 4½ in., 85 c.; 5 in., \$1.05; 6 in., \$1.25.

Light Plant Stakes. 1½ ft., per doz., 15 c.; per 100, \$1.00; 2 ft. per doz., 30c.; per 100, \$2.00; 2½ ft., per doz., 40 c.; per 100, \$2.50; 3 ft., per doz., 50 c.; per 100, \$3.50.

Heavy or Dahlia Stakes. 3 ft., per doz., 75 c., per 100, \$5.25; 4 ft., per doz., \$1.00, per 100, \$7.25.



High Quality and Low Prices is the secret of our Success in Fertilizers.

Insect and Fungus Destroyers.



Slug Shot. For twenty-one years Slug Shot has been used, doing effective work against leaf eaters, Juice Suckers, Sow Bugs, Snails or Grubs in the soil. Slug Shot is spread by duster or blower. Water will carry it through a sprayer or pump. Slug Shot rids Fowls, Calves and Dogs of Lice and Fleas. 5 lb. pkg., 25c.; 10 lb. pkg., 45c.; 25 lbs. \$1.00.

Bordeaux Mixture. For fungus diseases, particularly on finer fruits. Complete and specially prepared. Ready for use by simply adding water. One pound makes five gallons of spray mixture. 1 lb., 15 c.; 5 lbs., 75c.; 10 lbs. \$1.25.

Webicide Solutions. Highly concentrated; contains no poisons or acids. Very effective against insects, San Jose scale, fungi, mildew, etc. Investigate the merits of these preparations. Send for circular. **Prices:** No. 1 for trees and vegetables, 1 gal. can, \$1.50. No. 2. for florists and gardeners, Pint, 50 c., Quart, 75 c.; ½ gal., \$1.25, Gal., \$2.25.

Paris Green. In cartons. Strictly pure. ½ lb., 15 c.; 1 lb. 25 c.; 5 lbs., \$1.00.

White Hellebore. For rose slugs, currant worms, etc. ½ lb., 15 c.; 1 lb., 25 c.

London Purple. Very poisonous. Used the same as Paris Green, 1 lb., 25 c.

Tobacco Dust. For fleas, aphids and ground insects. 5 lbs., 20 c.; 100 lbs., \$1.25.

Nikoteen. Powerful, better than weak tobacco extracts. Pint, \$1.50; Vaporizing pans, 50 c.; Irons, 50 c.; 3 Pans, 3 Irons and 1 Hook \$3.00.

Aphis Punk. A preparation of nicotine in the most convenient form for killing insect life on plants and flowers without injuring sensitive blooms or foliage. Especially suitable for private greenhouses. No special apparatus needed. Very effective. Price per box of one dozen rolls, 60 c.; per case of 12 boxes, \$6.50.



Flowers of Sulphur. Effective for mildew. 1 lb. 10 c.; 5 lbs., 40 c.

Pinner's Tobacco Soap. One of the best insecticides. 1 lb., 40 c.

Kerosene Emulsion. (A paste). Ready for use by diluting with twenty-five to fifty parts of water. 1 lb. jar, 15 c.; 5 lb. jar, 60 c.

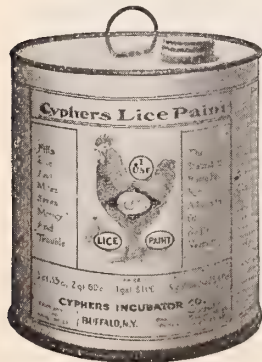
Whale Oil Soap. An excellent wash for trees and plants. Effective against scales and insects. One pound to four gallons of water. 1 lb., 15 c.; 5 lbs., 60 c.

Lemon Oil. Used as dip or spray. Very effective and harmless to delicate plants. Destroys thrip, scale, red spider, fly, caterpillar, American blight, etc. Dilute with fifty parts of water. ½ pt., 25 c.; pt., 40 c.; qt., 75 c.; ½ gal., \$1.25; gal., \$2.00.

Fairmount Weed Killer. Very effective for cleaning gravel paths, drives, gutters, etc. of all growths. Dilute with fifty parts of water. ½ gal., 75 c.; gal., \$1.25; 5 gal. \$6.00

Cyphers Lice Powder. The best preparation of its kind on the market. Positively non-injurious. Excellent for dogs and cattle as well as poultry. 15 oz. pkg., 25c.; 48 oz. pkg., 50 c.

Napcreol. A concentrated preventative of disease. A disinfectant and cure. One gallon to one hundred gallons of water. Invaluable around poultry, houses, stables, dog kennels or any other place where a good germ and odor destroyer is needed. Kills mites, fleas, lice, etc. ½ gal. can, 85 c.; gal. can. \$1.50.



Cyphers Lice Paint. A safe and sure liquid for killing all insects affecting poultry or stock. Lice are hard to exterminate but Cyphers Lice paint will do the work. Used by spraying, rubbing or painting the roosts 1 qt., 35 c.; 2 qts., 60 c.; 1 gal., \$1.00.

Pure Sulphur Fumigating Candles. Easy to light, easy to extinguish, safe to use, deadly to all disease germs and insect life. Complete with small dish for water. 15 c. each; by mail, 25 c.; Per dozen, \$1.00.



When Goods are to be sent by Mail add postage at the rate of 16 Cents per Pound.

PRATT'S HORSE AND CATTLE FOOD.

The great value received from its use makes it most profitable to all owners of horses, cattle, sheep and hogs. Pratt's Food is a regulator, to be used according to directions. It is not to be fed in place of grain or any other food stuffs. Fed to horses it regulates their bowels, blood and digestive organs and prevents diseases to which they are generally subject. Keeps cows in good condition and makes them give more milk. Cures and prevents hog cholera and other diseases. Sheep will thrive on it. 7 lb. pkg. 50 c.; 12 lb. bag, 75 c.; 25 lb. bag, \$1.50.

Pratt's Animal Regulator. Same as Pratt's Horse and Cattle Food but more highly concentrated. Just as effective and more economical. Trial pkg., 25 c.; regular pkg., 50 c., 50 c.



Pratt's Poultry Food is absolutely pure, a guaranteed egg producer. Makes larger fowls, quickens the growth of chicks. Prevents and cures chicken cholera, roup, gapes and other poultry diseases. 26 oz. pkg., 25 c.; 5 lb. pkg., 60 c.; 12 lb. bag, \$1.25.

Cyphers Full Nest Egg Food

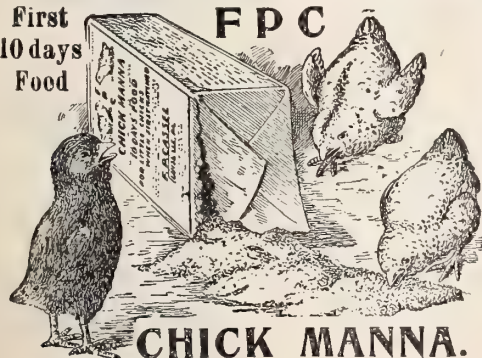
Everybody wants eggs when eggs are high. You can get them by using Full Nest Egg Food. Try it,

get more eggs and be convinced. It is a standard condition powder for all ages of poultry and is a concentrated meat food possessing tonic properties which promote good health and fine condition. It will help your birds through the moult. Full nest Egg Food contains no injurious drugs or chemicals. It is safe and easy to use. Prices: 42 oz. pkg., 25 c.; 25 lb. pail, \$2.00.



First
10 days
Food

FPC



CHICK MANNA.

Chick Manna. Prepared with great care for little chicks just hatched. Peculiarly adopted to the promotion of health quickening of growth and developing strong chicks. Very valuable for raising chicks in winter and early spring. 5 lb. pkg., 40c.

Ovinaphthol Nest Eggs. The standard combined nest egg and lice killer.

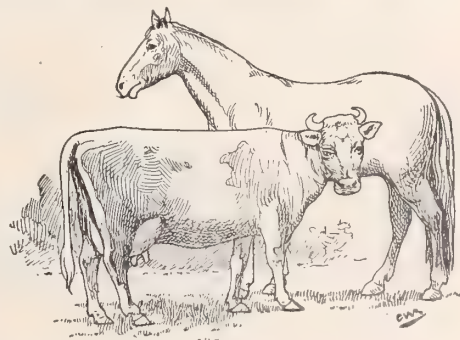
The use of this nest egg insures freedom from all kinds of insect pests in the nests. Safe to use and certain in results. Price each, 10 c.; per doz., 75 c.

Porcelain Nest Eggs. 5 c.; per doz., 25 c.

Anti-Fly Pest. Easy to apply, safe to use, lasting in effect.

More lasting than any other preparation, leaves no gummy substance behind and does not injure the animal's coat. No other Anti-Fly mixture can compare with it. Price per gal., 75c. **Tin Sprayers.** See page 64. 50c. each.

Cyphers Roup Cure. Cures roup, prevents and cures common colds. For canker it is without an equal. It is used by simply dissolving in drinking water. Small size, 50c.; large size, \$1.00.



CYPHERS POULTRY FOODS.

Carefully and scientifically prepared. Put up in Sealed bags with guaranteed analysis on every bag and full directions inside. Follow directions carefully and insure success.



Cyphers Chick Food. A carefully balanced mixture of many different seeds and grains proportioned to the needs of the growing chick. This food keeps chicks free from indigestion and bowel trouble. Will reduce the loss to a minimum. 5 lbs., 25 c.; 10 lbs., 40 c.; 50 lbs., \$1.50; 100 lb. sealed bag, \$2.50.

Cyphers Forcing Food. A highly concentrated food to be used where rapid growth is required, as in growing broilers and roasters, 5 lbs., 25 c.; 10 lbs., 35 c.; 50 lbs., \$1.25; 100 lb. sealed bag, \$2.25.

Cyphers Scratching Food. A combination of various grains, coarsely cracked. Just the thing to insure heavy yield of fertile eggs. 5 lbs., 25 c.; 10 lbs., 35 c.; 50 lbs., \$1.15; 100 lb. bag, \$2.00.

Cyphers Laying Food. A highly nutritious balanced ration, ready for making the daily mash. Produced from perfectly sound grains. 5 lbs., 25 c.; 10 lbs., 35 c.; 50 lbs., \$1.15; 100 lb. bag, \$2.15.

Cyphers Short Cut Clover. No mash is complete without it. Aside from food value it has high medicinal properties. 95% pure clover. 5 lbs., 20 c.; 10 lbs., 30 c.; 50 lbs., \$1.00; 100 lbs., \$2.00.

Cyphers Mealed Clover. Short cut clover reduced to a meal. Best form for small chicks. Contains entire clover-leaves, stalks and blossoms. 5 lbs., 20 c.; 10 lbs., 30 c.; 50 lbs., \$1.10; 100 lbs., \$2.00.

High Protein Beef Scrap. Gives in soluble form the animal food which cannot otherwise be obtained. It causes rapid growth in chicks, assists in securing a heavy egg yield and helps the birds during moulting season. 5 lbs., 25 c.; 10 lbs., 40 c.; 50 lbs., \$1.50; 100 lbs., \$2.75.

Granulated Bone. Contains phosphates, lime, protein. 5 lbs., 25 c.; 10 lbs., 35 c.; 50 lbs., \$1.50. 100 lbs., \$2.50.

Fine Ground Bone or Bone Flour. Useful to mix with mash foods. It is not necessary with Cyphers Laying Food as it is a complete ration. 5 lbs., 25 c.; 10 lbs., 35 c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

Charcoal. Aids digestion and promotes health of chicks to a wonderful extent. No poultryman can afford to be without it. Specially prepared and guaranteed pure. Grade "B" chick size and grade "C" coarse granulated. Carton containing two pounds, 15 c.; 10 lbs., 50 c.; 50 lbs., \$1.50.

Crushed Oyster Shell. Important as an egg shell maker and promoter of health. Our shell is clean and free from waste. No. 3 for chicks, No. 2 for adults. 10 lbs., 20 c.; 50 lbs., 50 c.; 100 lbs., 75 c.

Cyphers Complete Grit. Hard, sharp, clean, light colored. Contains lime, Magnesia, Iron, Sulphur. No. 1, chicks, No. 2, pullets No. 3, hens, ducks and Turkeys. 10 lbs., 25 c.; 50 lbs., 60 c.; 100 lbs., 90 c.

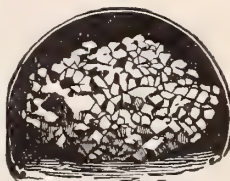
Mann's Crystal Grit. Light in color, free from dust and is of a friable nature, which enable it to keep continually sharp under action of the gizzard. X for brooder chicks, XX for chickens, XXX for hens, ducks and Turkeys. 10 lbs., 25 c., 50 lbs., 60 c.; 100 lbs., 90 c.

GRANITE CRYSTAL GRIT MAGNIFIED.
Crystal Formation.

OTHER GRIT MAGNIFIED.
Homogeneous Formation.

Seeds and Grain

Wheat, Millet,
Barley, Hemp,
Canada Peas,
Kaffir Corn,
Sunflower, etc.
Market prices.

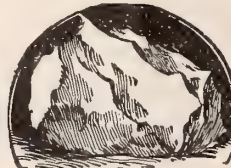


BEFORE.

Being Acted Upon by the Gizzard.

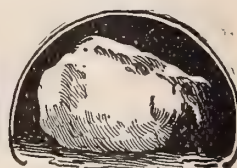


AFTER.



BEFORE.

Being Acted Upon by the Gizzard.



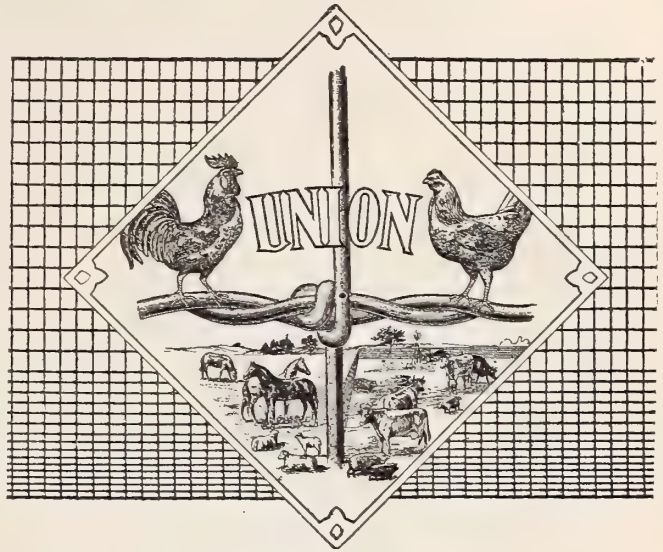
AFTER.

Union Lock Poultry Fencing.

The horizontal lines of this fence are composed of two No. 20 galvanized steel wires twisted together. Beginning at the bottom the spacing is as follows: 6 meshes, $1\frac{1}{4}$ in., three $1\frac{1}{2}$ in., six 2 in., above that 4 in. This gives a fence with additional strength at the bottom and close enough to turn small chicks. The pickets are No. 19 galvanized steel wire and are 3 in. apart; every part can be stretched perfectly and it will fit any unevenness of the ground, without cutting. Because of its strength and construction it requires about one half the posts needed for ordinary netting and no top or bottom rail.

Price list per roll of 165 feet.

24 in. high, \$2.80	60 in. high, \$4.80
36 in. high, \$3.45	72 in. high, \$5.04
48 in. high, \$4.15	84 in. high, \$6.15



HEXAGON MESH POULTRY NETTING.

Price per bale of 150 running feet, 2 inch mesh.

12 in. high No. 19 wire, \$.75	No. 20, \$.75
24 in. high No. 19 wire, 1.50	No. 20, 1.35
36 in. high No. 19 wire, 2.25	No. 20, 2.00
48 in. high No. 19 wire, 3.00	No. 20, 2.70
60 in. high No. 19 wire, 3.75	No. 20, 3.35
72 in. high No. 19 wire, 4.50	No. 20, 4.05

Hexagon mesh Netting in any quantity less than a roll at $\frac{3}{4}$ c. per square foot.

Poultry wire staples, 8c. per pound.

MANN'S IMPROVED BONE CUTTERS

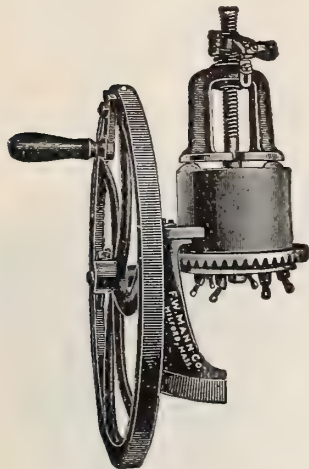
Will cut all kinds of bone hard or soft, dry or green, and all kinds of vegetables.

In the Mann's Improved Green Bone Cutter we offer the very best machine on the market for cutting bone and vegetables. The value of green bone is known to be very great and the way to be sure that you get the right kind of bones and get them in proper condition is to cut them yourself. Green bone and raw meat make hens lay. There is no

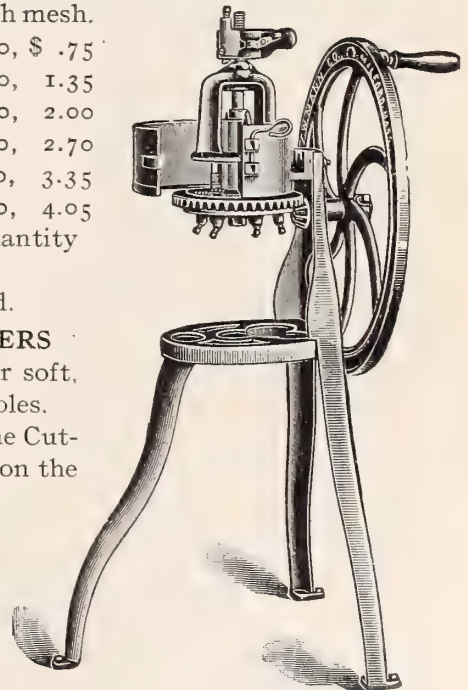
doubt about that. Mann's Bone Cutters are easy to operate and the new patterns have more valuable features than ever.

No. 5 C with crank handle	\$ 6.00
No. 5 B with balance wheel	\$ 8.00
No. 7 with balance wheel and stand.....	\$12.00
No. 9 with balance wheel and stand.....	\$18.40

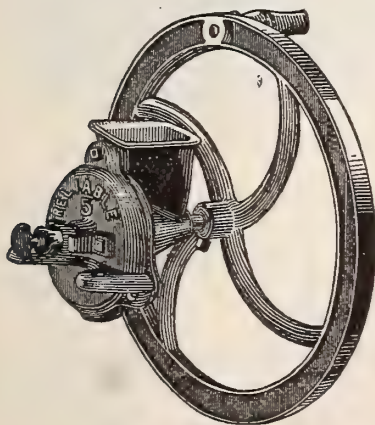
Prices of power machines on application,



NO. 5B.
MANN'S BONE CUTTER.



NO. 7 MANN'S BONE CUTTER.



MOUNTVILLE BONE MILL.

MOUNTVILLE BONE MILLS.

For grinding dried bones, shells, and desirable for grinding and cracking corn. Not for green bone. Price of Mill, with balance wheel....\$4.00 Price of Mill, with balance wheel and stand..\$5.00

Incubator Thermometers. Cyphers high grade Incubator Thermometers, 60c. each, postpaid; two for \$1.10. Wire hangers, 10c. each. **Brooder Thermometers.** Brooder Thermometers each postpaid 45c. Two, postpaid, 80c. If mounted on wood holder, 10c. each additional.

If Further Information is Desired, Drop us a Card.

The Original and Genuine Cyphers Incubators.

The only incubator that is positively guaranteed to do satisfactory work in the hands of every purchaser who will give it a fair trial.

The Cyphers Incubators and Brooders are built for business. That is the idea. There is nothing fancy, nothing foolish about them. They are not parlor ornaments. You don't want incubators for ornaments. Every Cyphers Incubator and Brooder is built in a workmanlike manner, out of the best materials on the market and is slightly in appearance. While there is nothing fancy about them no critic can place his hand anywhere on a Cyphers Incubator or Brooder and truthfully say, "This is inadequate; this is too cheap." In other words, every cent is spent on the Cyphers goods that is **necessary**, but not a penny more. The result is that the Cyphers, capacity, quality of material and workmanship considered, are sold at reasonable prices, and the purchaser gets full value—gets what he **wants**—a practical Incubator, and one that will last a lifetime with reasonable care.

Every standard patented Cyphers Incubator is positively guaranteed:

FIRST.—To require no supplied moisture. **SECOND.**—To be perfectly self-ventilating. **THIRD.**—To be self-regulating, being equipped with the most sensitive, accurate and durable regulator ever invented. **FOURTH.**—To operate with less oil and expense than any other make of incubator. **FIFTH.**—To be the simplest and easiest incubator to operate. **SIXTH.**—To produce larger, stronger and healthier chicks and ducklings than any other make of incubator. **SEVENTH.**—To bring out a larger average percentage of the fertile eggs in good healthy chicks or ducklings, in three or more hatches, than any other make of incubator when run in competition under the same conditions as its competitor. **EIGHTH.**—That each and every standard patented Cyphers Incubator, sold under registered trade-mark, will do satisfactory work in the hands of the purchaser who will give it a fair trial, or it can be returned to us within 90 days in good repair less reasonable wear, and the purchase price will be refunded.

THE SECRET OF THE POPULARITY OF THE CYPHERS MACHINES is the grand results they give. They are built so different from others. They possess individual, characteristic, valuable features which insure success. The costly cotton and strawboard packing, the wonderfully successful fire-proof heater, the absolutely accurate double acting thermostat, the high grade thermometer and the way it is hung, the Cyphers diffusive principle with its felt diaphragms, the inclined trays and the unique and natural method of turning the eggs, the non-moisture principle, these and other features make the Cyphers different from others and give successful results where others fail.

PRICE LIST.

We are prepared to sell Cyphers Incubators at the following prices, free on board car or boat at Baltimore.

No. 0, 60-egg size.....	\$12.00	No. 2, 220 egg size.....	\$24.00
No. 1, 120-egg size.....	\$17.00	No. 3, 360 egg size.....	\$30.00

Handsome Illustrated Annual Catalogue mailed free on receipt of ten cents to cover postage.

FARM ECONOMY AND BOY'S CHOICE INCUBATORS.

There is a considerable demand for a low-priced incubator, and, while we do not have great faith in other than the very best machines, we believe we are warranted in offering such a machine as can be purchased by people who wish to attempt artificial incubation and not risk a great amount of money. This machine is manufactured by the Cyphers Incubator Co., and, while it is not as good an incubator as their standard, it is a better machine than any other low-priced incubator.

These machines are both made of kiln-dried lumber, all joints being thoroughly glued together and fastened with cement-coated nails. We believe them to be better than any other incubator on the market of like capacity and price.

Farm Economy, 100-eggs.....	\$10.00	Boy's Choice, 50-eggs.....	\$6.50
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Mrs. F. L. Colton, Cox, Md., says: Out of 213 fertile eggs I have hatched 207, and raised 203 chicks



NO. 2. CYPHERS STANDARD INCUBATOR.

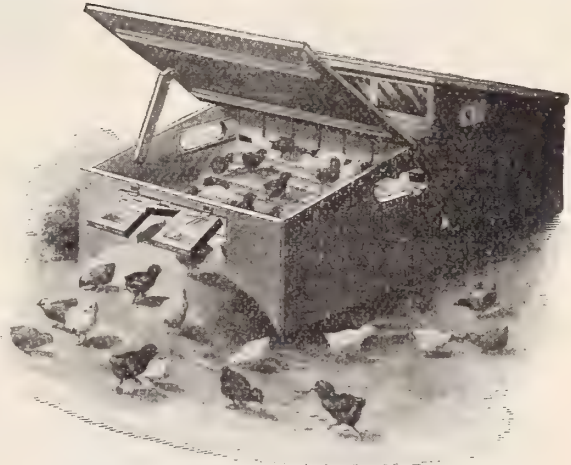
Cyphers Unequaled Three Apartment Brooders.

The Cyphers Three apartment Outdoor Brooder is the best brooding device on the market for either indoor or outdoor use, regardless of price. Let us briefly enumerate the special merits of this brooder: First.—It is the largest, single flock, popular priced brooder on the market. Second.—It is rain-proof and storm-proof, having a heavy tin covered roof. Third.—It is fire-proof and is heated by a Cyphers Safety Brooder Stove. Fourth.—The stove is safe and trustworthy. Fifth.—The fumes from the stove cannot get into the chick chambers. Sixth.—The cylindrical chick guard prevents crowding and does not permit the chicks to get too close to the heat dome. Seventh.—The brooder stove is easy to get at. Eighth.—When the temperature under the hover is 90 degrees, the temperature just outside the hover is 85 degrees, while in the front apartment it will average several degrees lower. The chicks may therefore suit themselves, going to and from the heat at will. Ninth.—There are no stairs to climb and so no danger of little chicks getting lost and chilled while learning the way.

Style A Outdoor three compartment Brooder

\$12.00.

Style B Indoor two compartment Brooder \$10.00

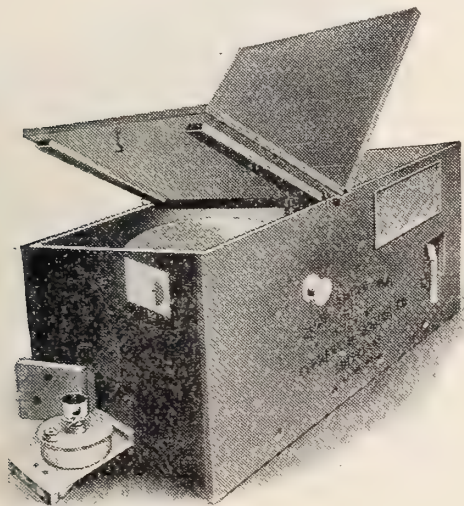


STYLE A BROODER.

Note. Purchasers can save freight by buying from us, as we sell Cyphers Incubators and Brooders at the same prices F. O. B. Baltimore, Md. as the manufacturers charge F. O. B. Factory. We furthermore save you valuable time by prompt delivery from goods carried in stock.

STORM KING BROODERS.

Manufactured to meet the demand for a well made practical Brooder at a lower price than styles A and B. The Storm King is a combined brooder and colony house. Two sizes: No. 1, 24 x 39 inches for 50 chicks and No. 2, 28 x 45 inches for 75 chicks. Shipped "knock-down" to save freight. Can be readily put together by any one with a screw driver. We believe these are more satisfactory than any other low priced brooder on the market. No. 1, \$6.00; No. 2, \$8.00.



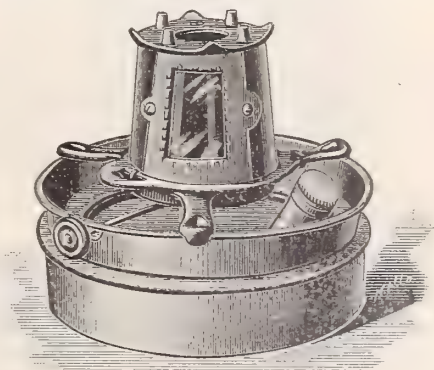
STORM KING BROODER.

safety water pan, reliable burners. We recommend this stove to any one contemplating a home made Brooder. 7½ in. high, 10½ in. wide, \$1.25.

Pedigree Egg Trays. By which Chickens hatched in a Cypher's incubator from different lots of eggs can be kept separate. Prices: For No. 0 incubator, \$1.00 each. For No. 1, \$1.25 each. For No. 2, \$2.50 per pair. For No. 3, \$3.00 per pair.

Cyphers Poultry Library. On the practical branches of poultry keeping. Six volumes, 50c. each; \$2.50 per set. No. 1, Profitable Poultry Keeping In All Its Branches; No. 2, Profitable Care and Management of Poultry; No. 3, Profitable Poultry House Appliances; No. 4, Profitable Egg Farming; No. 5, Profitable Market Poultry; No. 6, Capons for Profit.

Cyphers Safety Brooder Stove. These stoves have positively no equal. Large oil tank, large

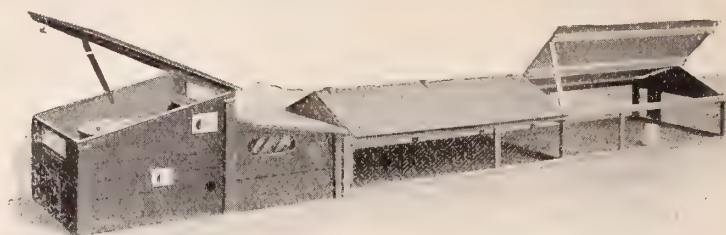


CYPHERS' BROODER STOVE.

Mr. Christian Devries, Stevenson, Md., says: "Cyphers Machines Hatch Strong and Healthy Chicks,"

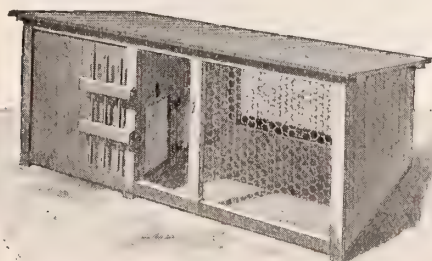
CYPHERS CHICK SHELTER.

Used with any out-door Brooder. This shelter provides an open space where chicks can run outside the Brooder and yet be protected from sun and storm. It is a most effective safeguard against cats, rats, hawks, etc., which so frequently reduce flocks. Small size 6 ft. long x 3 ft. wide, \$4.50. Large size 12 ft. long x 3 ft. wide, \$7.50. Shipped direct from factory at 50c. less.



CYPHERS CHICK SHELTER.

Cyphers New Model Brood Coop. Designed for hen with chicks. May also be used as a home for the chicks after they are weaned or as a colony house for a small flock. Size is 4 ft. 6 in. wide 2 ft deep. has two compartments; a closed or house part and a wire enclosed shelter for exercise room, it is well made and attractively finished, Price, \$3.25; if shipped direct from factory price is 25c. less.

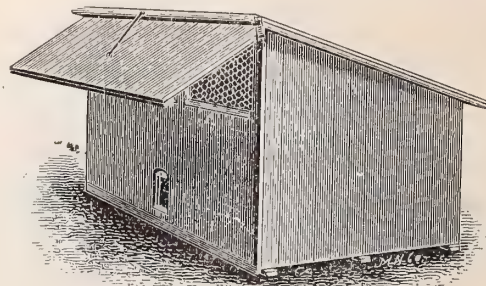


CYPHERS NEW MODEL BROOD COOP.

well built of good material and correct in principle and are proof against the attacks of the four-footed enemies of poultry. Built so that they can be quickly taken apart and are shipped in "knock down" style, to secure low freight rates. Price \$8.00 each. If shipped direct from factory, \$7.00 each or six for \$40.00.

CYPHERS COLONY HOUSE.

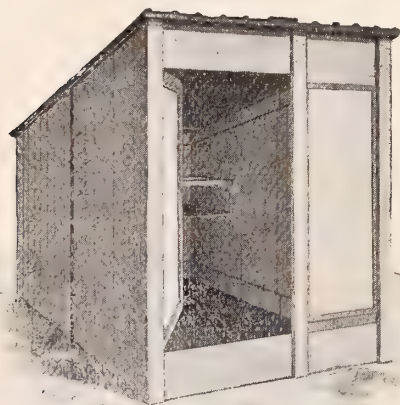
The Colony Houses, or roosting coops, are recommended to all persons who wish to raise fowls to the best advantage. Size is 3 ft. x 6 ft.;



CYPHERS COLONY HOUSE.

CYPHERS PORTABLE POULTRY HOUSE.

We offer this thoroughly practical house to meet the demand for such an article for breeding and laying stock. Suitable for the breeder, farmer or market poultryman who keeps fowl in large numbers. It is 6 ft. wide, 8 ft. deep, 6 ft. 11 in. high in front and 4 ft. 4 in. high at back. Shed roof, covered with durable fire-proof material. Shipped "knock down". Price, \$20.00 each, or \$18.00 F. O. B. factory.



CYPHERS PORTABLE POULTRY HOUSE.

serviceable and practical tester. Equipped with extra strong reflector of superior quality, and a heavy tin lamp. To get best results, this tester should be used in a dark room. Nothing to get out of order or wear out. Will last a life time. Price complete, \$1.00.

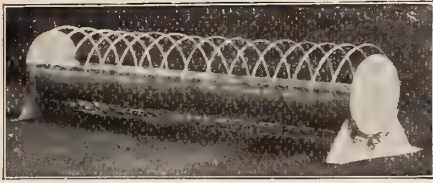
X RAY EGG TESTER.

Used on ordinary hand lamp. For use in dark room. 25c. each; by mail, 35c.

CYPHERS PRACTICAL EGG TESTER.

PRACTICAL EGG TESTER.

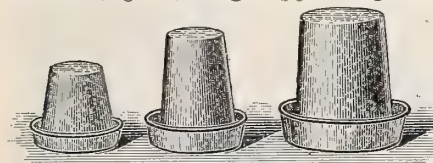
Prices of Eggs and Poultry Stock Cheerfully Quoted.



AMERICAN FEEDER.

By this method the pans may be quickly cleaned and filled. Wires prevent birds from getting into the pan. Small, 75c.; medium, \$1.00; large, \$1.25

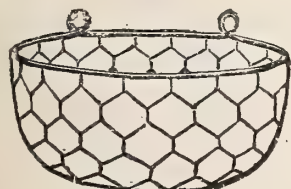
Cyphers Galvanized Drinking Fountains. Heavy galvanized iron with seams carefully turned and soldered. Slightly conical, Flat tops. Small, 20c.; medium, 30c.; large, 35c. Special duck size, 50c.



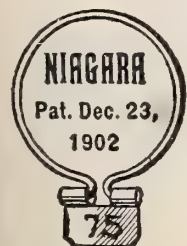
CYPHERS FOUNTAINS



Wire Nests. Strongly made of heavy japanned steel wire. No room for lice or vermin. 15c. each; \$1.50 per dozen.



WIRE NEST



Philadelphia Poultry Marker. Made in two sizes as shown by dots on cut. Large for adults, small for chicks. 25c. each postpaid.

Cyphers Perfect Poultry Marker. Made after the style of a ticket punch. Very handy. Price, 50c. each.

Feed Pans. Well made of galvanized iron and are very useful. Price each, 20c.

Caponizing Sets. Greiner, \$3.00 per set; Pilling \$2.75 per set.

Poultry Killing Knife. Cyphers Improved pattern. The best. 50c.

Anti-Lice Roost Hangers. Easily put up and durable, 20c. pair.

Niagara Leg Band. Spring wire with aluminum tag. Very light and does not chafe birds leg. Six sizes, in ordering state what kind of fowl they are wanted for and numbering. Prices, postpaid: 12, 25c.; 25, 35c.; 50, 65c.; 100, \$1.00.

Improved Champion Leg Band. Made from one thin strip of aluminum. Adjustable to any size bird. Prices postpaid: 12, 15c.; 25, 30c.; 50, 50c.; 100, 80c. State numbering desired.



IMPROVED CHAMPION LEG BAND.

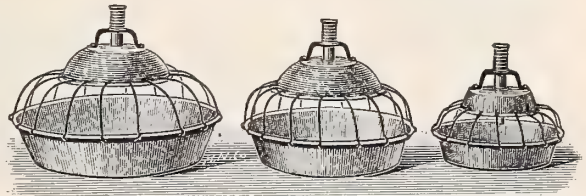
Gape Worm Extractor. Easily used, effective. By mail, 25c.



THE AMERICAN FEEDER.

A thoroughly practical feed and water tray. Can be used between two pens or hung upon the wall. Made of galvanized iron and steel wire. Saves 25% of the food and every bird gets its share. Trough slides out at end of guard. 18 in. 50c.; 24 in. 75c.; 36 in. \$1.00.

Hallock Food and Water Holders. Made in two parts. The top is released from the pan by pressure on the upper standard



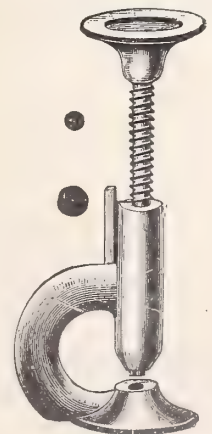
HALLOCK'S FOOD AND WATER HOLDER.

Cyphers Wall Fountains. Made of best galvanized iron and will last many years with proper treatment. Readily cleaned. Two sizes. 1 gal., 50c.; 2 gal., 75c.

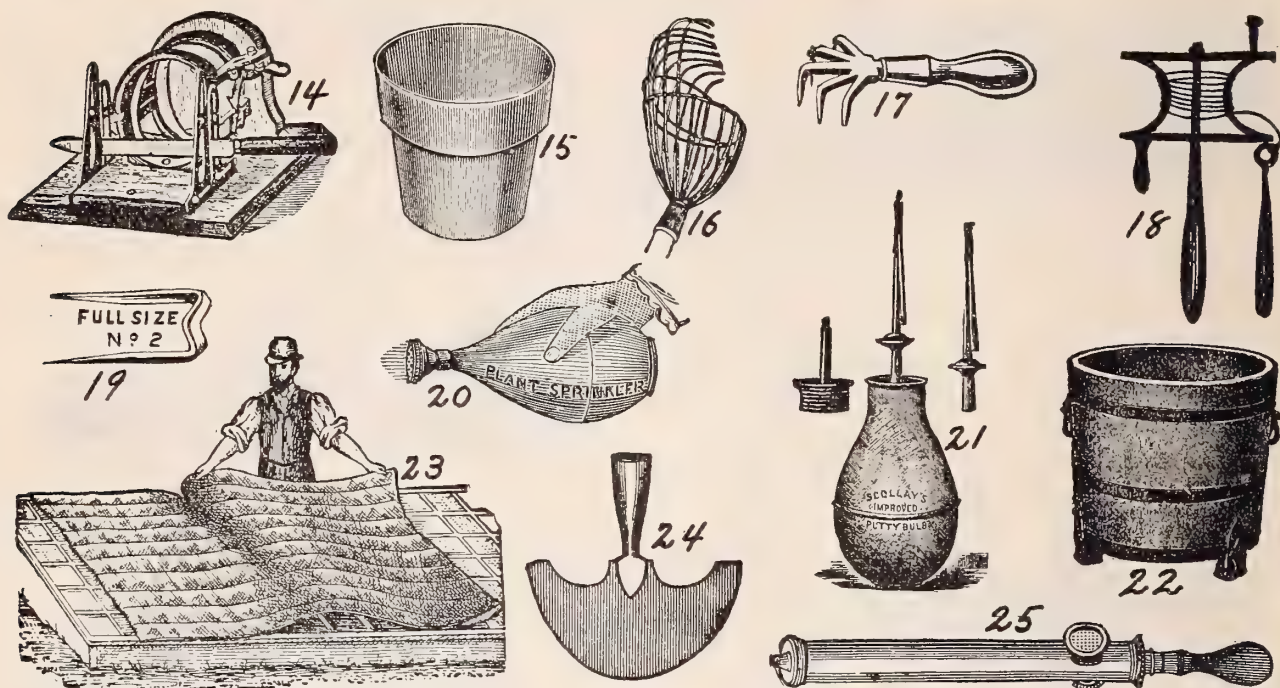
Sanitary Drinking Fountains. Will go into any brooder. Heavy galvanized iron. 1 gal. size, 50c.; 2 gal., 85c.

Sanitary Shell and Grit Box. For grit, shells, charcoal, etc. Three compartments. Effects great saving of food. Price, 50c.

Dry Food Hopper. Made on the same principle as the shell box but is larger and has only two compartments. One with a capacity of six quarts and the other with a capacity of three quarts. Sanitary and very economical. Price, 75c.



PHILA. POULTRY MARKER



HOT BED SUPPLIES.

Best White Pine Sash. Made to hold either 24 or 28, 8 x 10 panes. These sash are grooved so that the panes slide in and butt one against the other. Price of either size, 85c. each.

Hot Bed Glass. 8 x 10 per box of 90 panes, \$2.50

Hot Bed Mats. (Fig. 23) Strong burlap interlined with wool. 40 x 76 size covers one sash, 75c.; 76 x 76 covers two, \$1.15. Special prices by dozen.

Plant Bed Cloth. Light 4c. per yard; by the bale, 3½c.; Medium, 8c. per yard; by the bale, 7c.; heavy, 11c. per yard; by the bale, 10c. A bale contains about 60 yards.

Marlin. For making straw mats. 5 lbs. 90c.

Twemlow's Old English Glazing Putty. Semi-liquid and elastic. For bedding glass in sash. or for filling cracks or seams in roof joints or frames of Green houses or Hot Beds. Applied with machine, bulb or brush. This putty is ground in pure linseed oil and will stay on. 1 gal. can, \$1.25.

Putty Bulbs. (Fig. 21.) Scollay's, \$1.60.

Van Reyper's Glazing Points. (Fig. 19.) Simple and positive no rights or lefts. Per 1,000, 60c. By mail, 75c. Pincers, 50c. per pair. By mail, 60c.

Asparagus Buncher. (Fig. 14.) \$1.50.

Asparagus Knife. Solid steel blade, 30c.

BASKETS.

Picking Baskets. Half bushel size. Prices per dozen: without handles, \$1.50. with bow handles, \$1.75; drop handles, \$2.00.

White Oak Baskets. Side handled, 1 bu., 60c.

Rattan Baskets. With side handles, very strong. 1 bu. size, 95c.; 2 bu., \$1.25.

Corn Barrels. With handles, \$5.00.

BRASS GARDEN SYRINGES. (Fig. 25.)

No. A. One Spray Rose and Jet. 12 x 1 in. \$2.00. Same syringe, (Polished but not Lacquered,) \$1.50.

No. 2. Open Roses, Two Spray Roses and Jet. Side attachments, 14½ x 1 5-16 in., \$3.75.

No. 5. Cone Valves, Two Spray Roses and Jet. Side attachments, 18 x 1½ in., \$6.25.

Hand Sprinklers. (Fig. 20.) Rubber bulb with metal spray head, Small, 75c., large \$1.00.

Fruit Picker. (Fig. 16.) The best style, 30c.

Carnation Supports. 2-ring, per doz., 50c. per 100, \$3.25. 3-ring, doz., 60c.; per 100, \$3.50.

Edging Knives. (Fig. 24.) 8 in., English, \$1.25 and \$1.50. Handled American Edger, 50c.

Fodder Yarn. 9 c. per lb. 50 lb. bale, 8½ c.

White Pine Garden Boxes. ½ bu. size, 22c.; 3 pk., 25c.; 1 bu., 28c. Special price in quantity.

Garden Reels. (Fig. 18.) 75c and \$1.00.

Excelsior Hand Weeder. (Fig. 17.) 10c.

Raffia. For tying plants. Per lb. 20c.

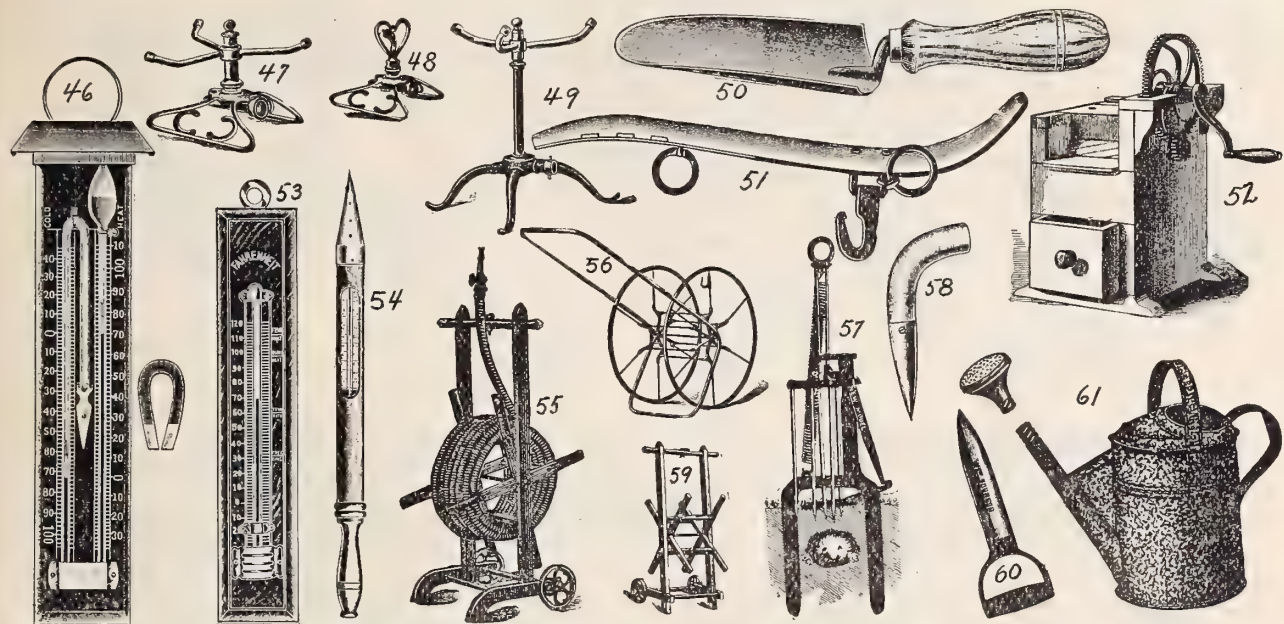
Silkline. Per spool, 25c.; Sea Isle cord, per lb., 45c.

Flower Tubs. (Fig. 22.) Cypress painted green, iron bound and iron feet. No. 1, 13 x 11, 75c; No. 2, 14½ x 13, \$1.15; No. 3, 16 x 15, \$1.50; No. 4, 20 x 18, \$2.00; No. 5, 24 x 21, \$2.50.

FLOWER POTS. (Fig. 15.)

3 in.	per hundred	1.00...	Per thousand	7.50
3½ in.	per hundred	\$1.25...	Per thousand	9.00
4 in.	per hundred	\$1.50...	Per thousand	12.00
5 in.	per hundred	\$3.00...	Per thousand	22.00

PLANT LABELS, MOSS, PEAT, page 35.

**THERMOMETERS.**

No. 650 Registering Thermometer (Fig. 46) \$2.25
 No. 208 8 in. Pear Wood Scale (Fig. 53) 30c.
 Cottage Thermometer and Barometer, 25c.
 Hot Bed Thermometer brass end (Fig. 54) \$1.00
 Incubator and Brooder Thermometers, p. 39.

GARDEN HOSE, HOSE REELS AND FITTINGS.

Double Diamond. Extra grade. Per foot, 16c.
 Carbon, three ply, very good. 12c.
 Red Oxford, a favorite brand. 14c.
 Spider, a reliable low price hose 10c.
 Special Competition Brand. 8c.
 Carbon Brand, wire wound. 14c.
 Combination Hose Nozzles. each 30c.
 Hose Couplings. " 15c.
 Hose Clamps, Sherman's Brass, Per doz. 40c.
 Caldwell's Hose Straps, per gross. 1.25
 Pliers for Caldwell Hose Straps. Per pr. 25
 Hose Menders, Iron, \$1.00 per doz.; Wood, 15c.
 Iron Hose Reels. (Fig. 56) For 100 ft. \$2.50
 Wood Hose Reels. (Fig. 59) \$1.00 and \$1.25 each.

MAJESTIC ROTARY WASHER.

The lightest running machine on the market. Ball bearings, well balanced fly wheel. Washes most delicate fabric without injury. \$7.00.

THE LIGHTNING WASHER.

Made of the best Virginia white cedar with electric welded hoops. Gives splendid results. \$3.50.



WASHING MACHINE.

Superior Wringer.—Iron frame, 12 in. roll, \$3.00

GALVANIZED WATERING CANS. (Fig. 61).

Made of heavy galvanized iron, removable rose.
 4 quart, 45c. 8 quart, 55c. 12 quart, 65c.
 6 " 50c. 10 " 60c. 16 " 75c.

TROWELS AND DIBBLES.

English Pattern (Fig. 50) Wrought shank, 6 in. 40c
 Florist's Trowels, stamped steel, first grade, 6 in. 25c.; cheaper grades, 5 and 10c.
 Transplanting Trowels, One piece, heavy, 10c.
 Iron handle Dibble (Fig. 60) for transplanting, 50c
 Wood handle Dibble (Fig. 58) steel point, 35c.

HAMES AND STRAPS.

Iron bound Hames, (Fig. 51) 80c. per pair
 Louden patent Hames, 90c. per pair. Taylor
 Root Hames 60c. Hame Straps, 15 and 20c.
 each. Hame Strings, 3 for 25c.

LAWN SPRINKLERS.

Columbia (Fig. 49) 3 arms, 12 in. high, \$1.25,
 Preston (Fig. 47) \$1.00. Busy (Fig. 48) 75c.

HORSE RADISH GRATER. (Fig. 52)

Wood roller with steel pins. For hand use. \$7.50

MOLE TRAPS.

New Model (Fig. 57). The best; very compact. \$1.50. Out-of-Sight. Convenient for hot beds, \$1.00
Canvas Back Bands. Heavy and full length. With leather loop, 75c. With pat. snap, 50c.

Trace Chains. 7 ft., straight link, hook or ring. Close link, 75c. per pr., long link, 65c.

Cow Chains. Tying out, 75c. Stable ties, 25c.

Breast Chains. Double, per pr., 45c.; Single, 35c

Plow Lines. Cotton, 45c. per pr; Sisal, 35c.

Collar Pads. Well made of good drill, 25c.

Horse Pokes. Prevents jumping, 50c. Keeps horses from jumping fences

Curry Combs. 8 bar steel, 25c.; 2nd grade, 15c

Horse Brushes. All bristles curry brush, \$1.25.
 Mixed bristles, 75c.; cheaper grades, 25 and 50c.

Push Brooms. For stable use, hand made, 50c.



HAND PRUNING SHEARS AND GRAPE SHEAR

Full Polished English Pruner. (Fig. 1.) The very best on the market. 8½ in. \$1.00.

No. 25 Pruner. Excellent grade, half polished Size and style same as full polished. 75c.

American. (Fig. 2.) Steel blades, 40c.

Grape and Flower Pickers. (Fig. 6.) 35c.

TREE PRUNERS AND KNIVES.

Henry's Improvd. (Fig. 3.) Open fork, and down cut. 8 ft., \$1.00; 10 ft., \$1.10; 12 ft. \$1.25.

Water's. (Fig. 4.) The best known. 6 ft., 85c.; 8 ft., 95c.; 10 ft., \$1.00; 12 ft., \$1.10.

Budding Knives. Ivory handle. (Fig. 11.) or Horn and Ivory. (Fig. 10.) Either, \$1.00

Pruning Knives. (Fig. 12.) Stag handle, 90c.; Cocoa, 60c.

HEDGE, PRUNING AND BORDER SHEARS.

Wilkinson Hedge Shears. (Fig. 5.) The celebrated English Shear. 9 in. with notch, \$1.75, 10 in. \$2.00; without notch, 25c. less.

No. 1 "Red Clipper" Draw cut Pruning Shears. (Fig. 8.) Made of best tool steel, hand forged, oil tempered. 25 in., handles, \$2.00.

No. 4 "Red Clipper" Pruning Shear. (Fig. 9.) Not draw cut No. 1, 23 in. handles. \$1.25.

No. 105 Border Shears. (Fig. 7.) 10 in. \$2.75.

GRASS AND SHEEP SHEARS. (Fig. 13.)

Full polished Imported Shear. 5½ in. 90c.

Half Polished Excellent Quality. 35 and 50c.

PRUNING SAWS AND BUSH HOOKS.

Double Pruning Saw. (Fig. 39.) 16 in., 60c.; 18 in., 70c.; Single Saws same price.

Bush Hooks. Short handle. (Fig. 40.) 75c. Extra heavy socket hook with knife back, \$1.25.

GRASS HOOKS.

"Blue Ribbon" Grass Hook. (Fig. 43.) 35c.

Grass Hooks. (Fig. 2.) English, 50c., German, 30c., American, 25c.

HAY KNIFE, CORN KNIVES AND HOOKS.

Lightning Hay Knife. (Fig. 45.) 75c.

Corn Knives. Straight, concave or convex edge, 25c. Corn Hooks. 35c. each.

SCYTHES, SNATHES AND SCYTHE STONES.

English Waldron Scythe. 30 in., \$1.10; 36 in., \$1.10; 38 in., \$1.25; 40 in., \$1.35.

Am. Waldron. 38-40 in., 75c.; Clip-per, 65c.

American Weed Scythe. (Fig. 44.) 75c.; Bramble, 75c.

Scythe Stones. Eng. 20c.; Darby Creek, 10c.

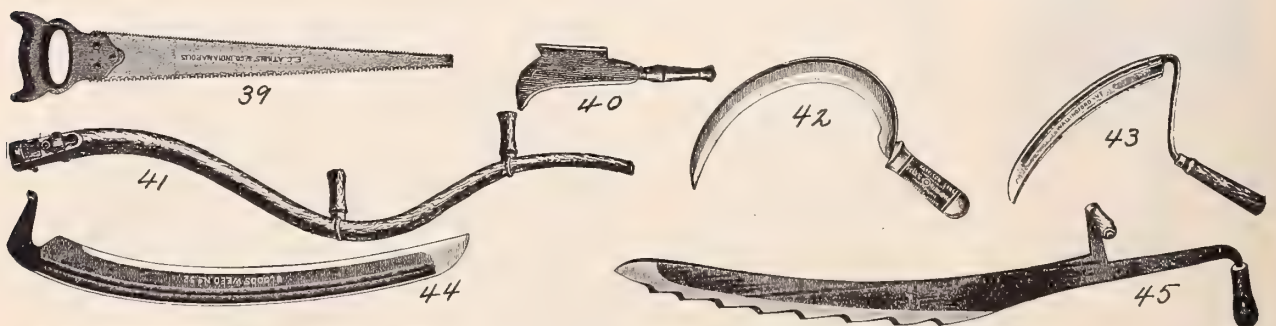
Snathes. (Fig. 41.) Patent Grass, 65c.; heavy two ring Bush Snathes, 75c.

GRAIN CRADLES.

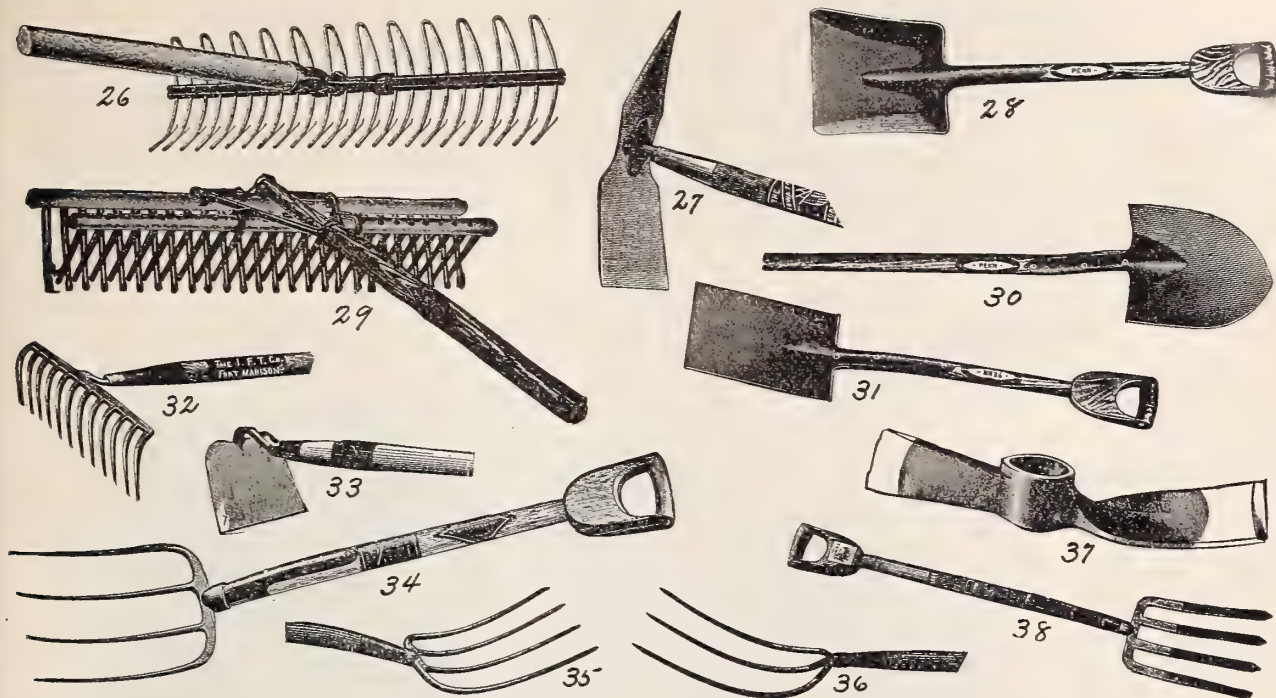
Hand-Made four fingered Cradle with English blade, \$4.50; with American blade, \$3.25.

Cradle Blades. English, \$1.80; Am, \$1.00.

GRAFTING WAX. ¼ lb. 10c.; ½ lb., 20c.; 1 lb. 35c.



Special Prices on Above Tools when Bought by the Dozen.

**GARDEN, LAWN AND HAY RAKES.**

Ney self-cleaning Lawn Rake. (Fig. 29.) Readily cleaned by a back motion of the rake. Will not tear grass. 22 t., 60c.; 26 t., 70c.

Lawn Queen Rake. (Fig. 26.) Steel head with heavy steel wire teeth. Strong and durable. Reversible for leaves. 21 in. wide, 24t., 50c.; 21 in. wide, 46t., 65c.; 32 in. wide 36t., 65c.

Superior Hand Made Wood Lawn Rakes. The best of its kind; very substantial, 20t., 35c.

Superior Hand Made Hay Rake. 20t., 25c.

Steel Garden Rakes. (Fig. 32) 12t., 40c.; 14t., 45c.

Malleable Garden Rakes. 12t., 25c.; 14t. 30c.

GARDEN, PLANTERS, AND SCUFFLE HOES.

Solid Socket. (Fig. 33.) 8 in., 40c.

Riveted Shank. 8 in., 30c.

1-Pt. Weed. (Fig. 27.) 6 in., 25c.

2-Pt. Weed. 6 in., 30c.

Handled Planters. 7½ in., 50c.

Scuffle Hoes. 6 in. English, 60c.;

Hdld. American Scuffle Hoe, 50c.

Potato Hooks. oval, 4 tine, 50c.

Dock Lifter. Heavy with D hdl.,

\$2.00; Light, 75c.

OIL CANS, OILS, AXLE GREASE.

Machine Oilers, 10c.

Royal Axle Grease. Dark. 15lb. pails, 65c.; 25 lb. pails, 90c.

Mica Axle Grease. 3 lb. pails, 25c.

Harvester Oil. Gal., 65c.

Cream Separator Oil. 90c. gal.

UNIVERSAL POST HOLE

DIGGERS. (Fig. 50.)

Strong and durable. Easily operated. \$3.50.

New Champion Post Hole Digger. \$1.00.

SHOVELS AND SPADES.

D hdl. square point. (Fig. 28.) Best No. 4, 85c.; No. 5, 95c. 2nd grade No. 4, 60c.; No. 5, 65c.

Long hdl. rd. pt. (Fig. 30.) Ames, \$1.25; Griffin, 90c.

D hdl. Coal Scoops. No. 4, 65c.; No. 5, 75c.;

D hdl. Spades. (Fig. 31.) Plain or hollow back. Three grades. Plain, 65c., 90c., \$1.25. Hollow, 50c., 65c., 90c.

MANURE, HAY AND SPADING FORKS.

No. 64, Manure Fork. (Fig. 34.) \$1.10.

Long hdl. Manure Fork. (Fig. 35.) 4½ ft. hdl. 4 prongs with lock cap, 70c.; strapped, 60c.

Long hdl. Hay Forks. (Fig. 36.) 2 prong, 45c. 3 prong, 55c.

D hdl. Spading Forks. (Fig. 38.) 80c.

Oat Fork. Made of wood, wire back, 75c.

PICKS, MATTOCKS AND HANDLES.

Picks, best steel, 90c.; iron, steel points, 60c.

Mattocks. (Fig. 37.) Best, \$1.00. Good, 65c.

Pick and Mattock Handles. 15c. and 20c.

AXES, HATCHETS AND HANDLES.

Red Chief Axes. Excellent quality, 75c.

Red Chief Axes. Complete with handles, \$1.00

Hatchets. High grade No. 2, half pattern, 55c

Axe Handles. 20c. and 25c.

COLD CHISELS AND PUNCHES.

Cold Chisels. With ½ in. edge, 15c.; 5-8 in. 20c.

Punches. For section rivets, etc., 15c.

WRENCHES.

Monkey Wrenches. For agricultural purposes 6 in., 25c.; 8 in., 35c.; 10 in., 40c.; 12 in., 50c.

Twin Wrenches. Alligator pattern, 10 in. long, 75c. Bull Dog Pocket Wrench, 15c.

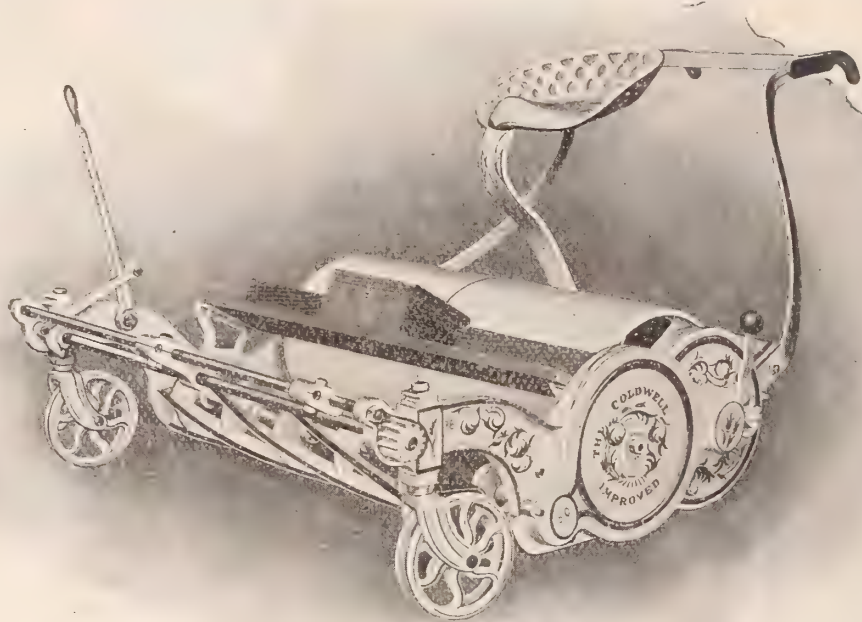
"Always Ready" Wrench. A handsome nickel-plated wrench, double Alligator jawed. 5 in., 30c



FIG 50.

Coldwell's Improved Horse Lawn Mower.

Coldwell's Improved Horse Lawn Mower is conceded to be superior to any other mower on the market. This is the opinion of experts, both mechanics and men who have had long experience in caring for lawns. Some of its points of merit are: Light draft, large driving rollers, non-clogging castor wheels, can be thrown out of gear without driver leaving seat. both sides of machine can be adjusted at once, device for instantly raising all knives from the ground when passing over stones or other obstructions, or when drawing over a roadway, side-draft attachment to prevent horse from walking on grass before it is cut. Coldwell Mowers wear well. The material is the best. Coldwell Mowers were adopted several years ago by the Baltimore City Parks and have been used since then in preference to other makes. They are also used by the leading Country Clubs and on the principal lawns around Baltimore. Guaranteed to be the best.



25 in. without Seat or Shafts.....	List Price	\$ 65.00	Retail Price	\$40.00
30 in. complete with Seat and Shafts	" "	110.00	" "	\$65.00
35 in. " " " " " " " "	" "	135.00	" "	\$80.00

If draft rod is wanted instead of shafts and seat, deduct \$5.00 from retail price.

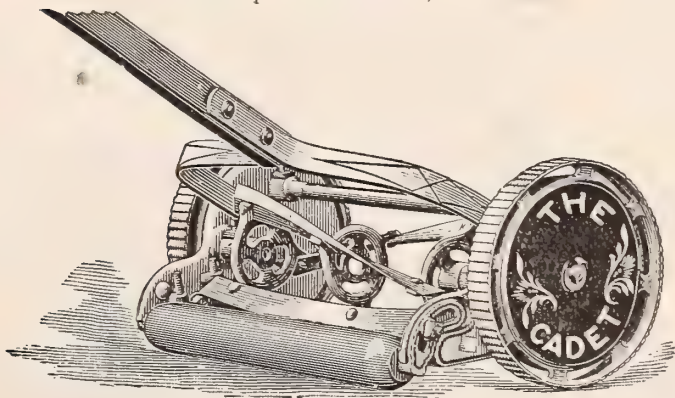
Mr. J. Fred Wessler, Supt. Corroll Park, Baltimore, says: I am using Coldwell Lawn Mowers exclusively and could not wish for better.

THE LINKS LAWN BOOT.

Specially designed for tennis courts, golf links and fine lawns. The result of years of experience. Simple, durable, water-proof. Steel rivets used throughout. Curved toe prevents cutting of lawn.

No. 2, 5½ in.; No. 4, 6½ in.; No. 6, 7 in.; inside measurements.

Price per set of four, \$8.00.



CADET LAWN MOWER.

A good mower at a low price. Suitable for small lawns. Not the lowest priced but the best cheap mower made. Adjustable brass bushings, flexible bed knife, noiseless roller and easy adjustment.

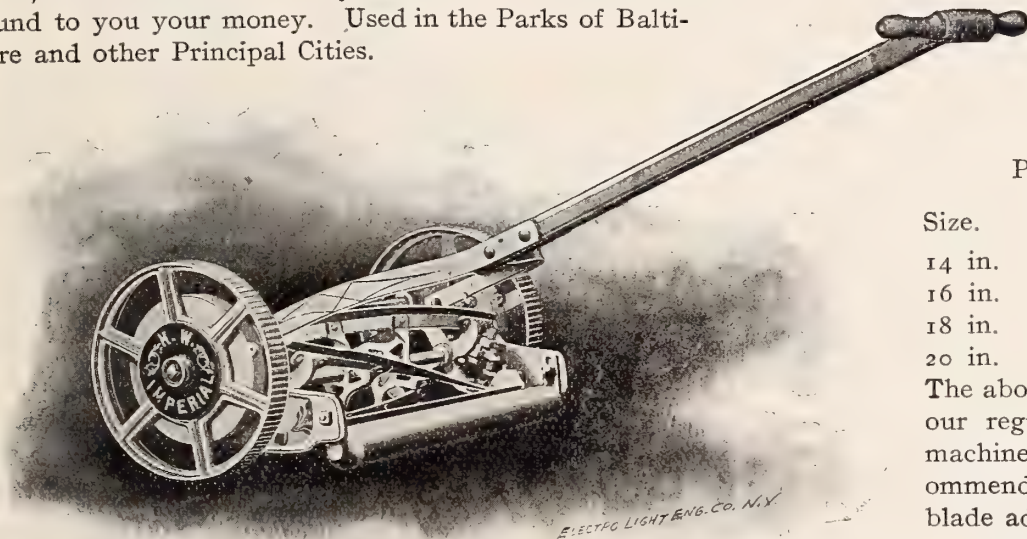
PRICE LIST.

12 in.....	\$3.00
14 in.....	3.50
16 in.....	4.00

All kinds of Lawn Mowers sharpened and repaired.

Coldwell's Imperial High Wheel Lawn Mower.

We have adopted the Coldwell Mowers as being absolutely the best on the market. The Imperial High Wheel Mower surpasses all others in excellence of material and workmanship, ease of running and durability. Its drive wheels are ten inches in diameter. It has a rigid frame, the best of steel blades and is the only Mower on the market that is especially adapted to terrace cutting. We thoroughly recommend this machine to our trade, with the guarantee that, if it is not all we claim for it, the Lawn Mower may be returned and we will refund to you your money. Used in the Parks of Baltimore and other Principal Cities.



PRICES

Size.	List.	Retail.
14 in.	\$20.00	\$9.00
16 in.	22.00	10.00
18 in.	24.00	11.00
20 in.	26.00	12.00

The above prices are for our regular four blade machine which we recommend. For five-blade add \$1.00 to list; 50c. retail.

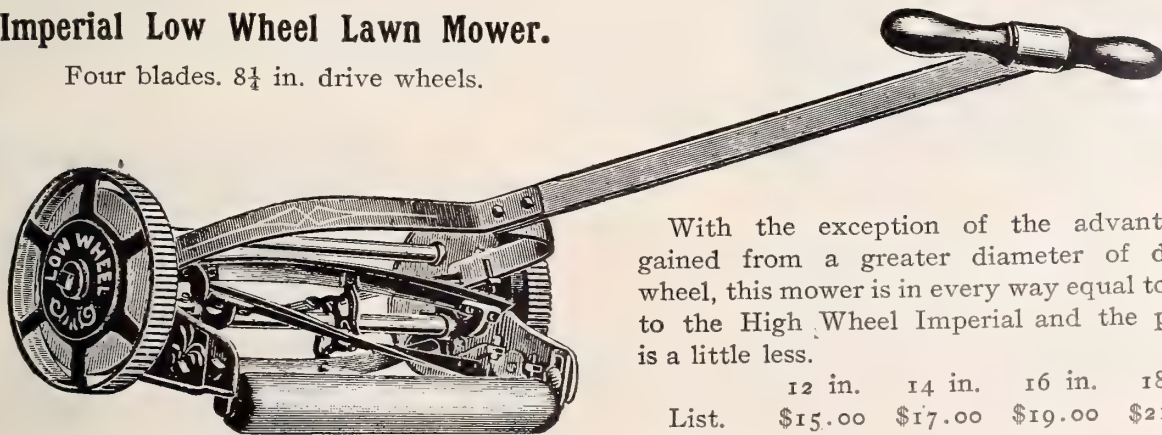
POINTS OF MERIT IN THE IMPERIAL LAWN MOWER.

Rigid Frame. The knife bar is bolted to the side frames, thus insuring rigidity. **Lock Adjustment.** The lawn mower is adjusted by moving the revolving cutter to or from the stationary knife by a perfect locking device. **Taking up Wear.** By simple and positive arrangements, wear in the revolving cutter, hangers or shaft can readily be taken up. **Improved Gear.** The gears are stationary when the machine is moving backwards and the pinion is fastened to the shaft; hence, these parts get much less wear than in ordinary mowers. **Easily Sharpened.** The mower can be sharpened in two minutes, using only a common wire nail and a little oil and emery; it is not necessary to move or change any parts of the machine, as with other makes. **Terrace Cutting.** The Imperial is the only mower that has a special arrangement for cutting terraces. **Durability.** The weakest points in other mowers are the ratchets and adjustments; these are the strongest in the Imperial. There are Imperial mowers out with ratchets and adjustments working perfectly after fifteen years use.

—Mr. N. F. Flitton, Supt. Clifton Park, Baltimore, says;—I am using Coldwell Lawn Mowers on my system of Parks and Squares and they are entirely satisfactory.

Imperial Low Wheel Lawn Mower.

Four blades. 8½ in. drive wheels.



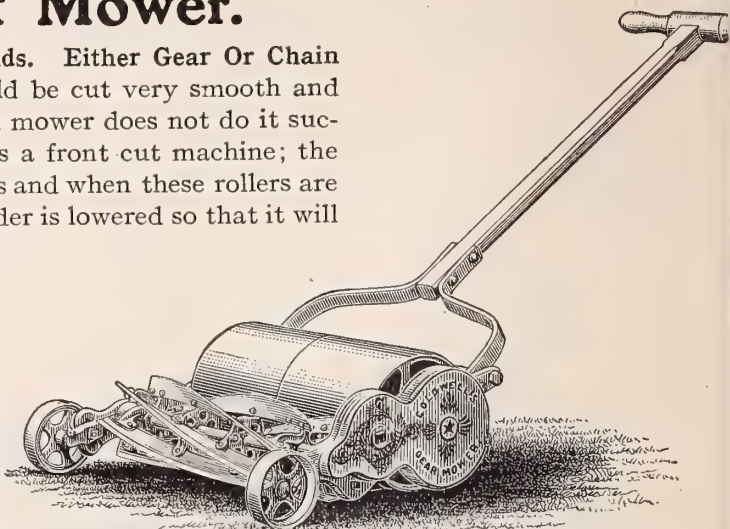
With the exception of the advantages gained from a greater diameter of drive wheel, this mower is in every way equal to the to the High Wheel Imperial and the price is a little less.

	12 in.	14 in.	16 in.	18 in.
List.	\$15.00	\$17.00	\$19.00	\$21.00
Retail.	6.00	7.00	8.00	9.00

Lawn Mowers Sharpened and repaired in a thorough and satisfactory manner.

Coldwell's Golf Mower.

The Only Correct Mower For Golf Grounds. Either Gear Or Chain Drive. The grass on a Putting green should be cut very smooth and close to the ground. A rear cut, side wheel mower does not do it successfully. Our special Roller Golf Mower is a front cut machine; the height of cut is regulated by the front rollers and when these rollers are raised to the highest point, the cutting cylinder is lowered so that it will almost shave the sod; it can be adjusted to a nicety. The high speed six-blade revolving cutter gives a smoothness of cut which can only be obtained with this style of Mower. These Mowers are in use on all the prominent Golf Links in the country. They are used locally by the Baltimore Country Club, Sudbrook Park Golf Club, Elkridge Hunt Club, Maryland Country Club and Suburban Club. Where a side wheel mower is used on the body of large grounds, the Roller Mower can be used to great advantage for trimming around flower beds and borders; in fact, they are the only mowers that will do this kind of work properly and without danger of cutting into the sod.



PRICES OF GOLF MOWERS.

FOUR BLADE MACHINE.				SIX BLADE MACHINE.			
12 in.	List, \$15.00	Retail \$13.00		List, \$16.00	Retail \$14.00		
14 in.	" 17.00	" 15.00		" 18.00	" 16.00		
16 in.	" 19.00	" 17.00		" 20.00	" 18.00		
18 in.	" 21.00	" 19.00		" 22.00	" 20.00		
20 in.	" 23.00	" 21.00		" 24.00	" 22.00		

GRASS CATCHERS FOR GOLF MOWER.

12 in.	.....	\$1.20
14 in.	.....	1.30
16 in.	.....	1.40
18 in.	.....	1.50
20 in.	.....	1.60

COLDWELL'S TWO-MAN OR PONY LAWN MOWER.

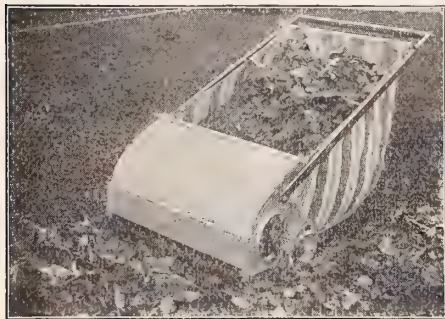
This mower is built in two styles: with a four-blade cylinder and with a nine blade cylinder. The former is intended for general lawn work and the latter for use on Putting Greens, Tennis Courts, etc.; both styles are 25 in. cut. In doing the latter class of work a horse cannot be used and the nine blade machine will be found an excellent two-man mower and will do fine, even work, superior to that of any other make. Prices: Four-Blade Machine, List \$65.00, Retail \$40.00; Nine-Blade Machine, with grass box, List \$87.00, Retail \$55.00.

THE GEM LAWN CLEANER.

More correct in principle and does better work than any other machine of its class.

Cleans the Lawn more thoroughly and more quickly than three or four men can do it with hand rakes. Besides this, it greatly benefits the turf. Especially useful for first cleaning up in the spring. It clears away the winter accumulations and gives grass a good start. Just the thing for leaves and all kinds of litter. Simple and durable. Send for circular.

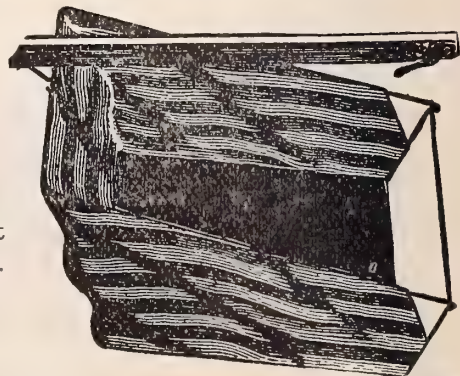
Price, \$12.00.



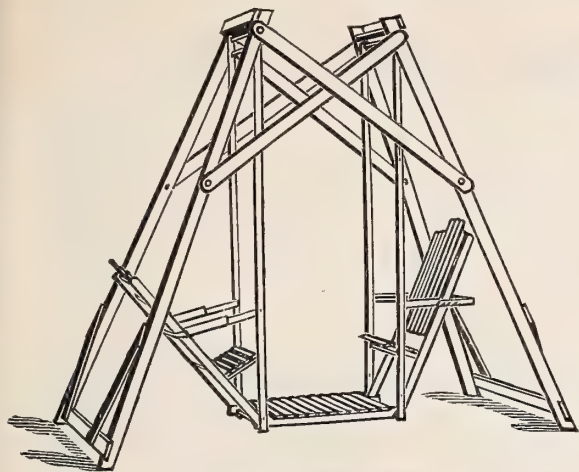
GEM LAWN SWEEPER.

UNIVERSAL GRASS CATCHER.

Suitable for any mower. Heavy wire frame, canvas basket with blacked sheet steel bottom. Thoroughly practical. No. 1 fits 10 in. to 16 in.; No. 2 fits 16 in. to 20 in. Price, 75c.



There is nothing better made than the Coldwell line of Lawn Mowers.



LAMBERD LAWN SWING.

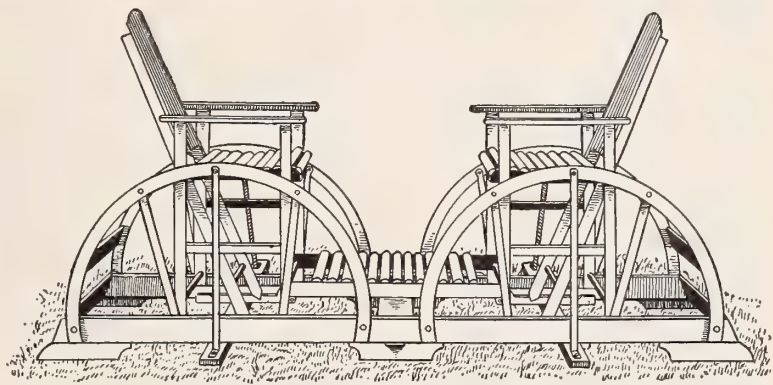
LAMBERD LAWN SWING.

Made entirely of hard wood; the frame of white oak and the swinging part of the best grade ash. Some makes of swings are made of soft wood which soon warps to such an extent that the swing is practically useless. Such is not the case with the "Lamberd." It is very strongly constructed and nicely finished. Frame is painted red and the swinging part is finished in natural wood. Adjustable backs and removable foot-board, which can be readily placed on a level with the seats, thus making a very comfortable swing and hammock. Price of two-passenger swing.....\$6.00. Price of four-passenger swing..... 7.50.

"Home Comfort" Low Down Lawn or Porch Swing.

Light, Strong, Durable. Compact, Easily Handled.

This is the most up-to-date and best style of Lawn and Porch Swing. It has a swinging motion of over 2½ feet and as the side supports extend only to the seats, there is nothing to obstruct the view or produce dizziness and a most pleasant swinging sensation is the result. They can be placed on any porch, under any shade trees or arbors or in the nursery, thus you have the use of it the year around. If it rains, simply move it under shelter; if the sun is shining on the swing when you want to use it, simply move it to a shady place. It is the essence of convenience and as its name implies it is the "Home Comfort." The foot-rest is adjustable to suit either children or grown persons and the backs are adjustable; throw one back back, raise the foot-rest, add a cushion or robe and you have a comfortable swinging couch. A very small child can operate it, perfectly safe, nicely finished in a pretty shade of red.



Two-passenger Swing.....\$9.00. Four-passenger Swing.....11.00.



CENTRAL PARK SETTEE.

Eagle Lawn Swing.

This is an all steel high swing, very strong and at the same time very neat. It has two large roomy seats and will hold four passengers very comfortably. No jagged corners, no tilting motion, awning over seats. The best steel swing on the market. Price, \$15.00

Heavy Park or Picnic Swing.

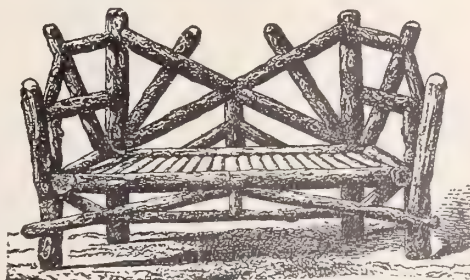
Very strong. Write for description. Price, \$12.50.

Lawn Benches or Settees.

Central Park Settee. Very strong and exceedingly comfortable. 4 ft., \$3.75; 5 ft., \$4.00.

Newport Rustic Bench. Four patterns, made of red and white cedar with bark on, 4½ ft. long. Price, \$3.75.

Bent Wood Red Settee. A strong, light, very comfortable and very ornamental settee. 4 ft. \$3.75; 5 ft., \$4.00.



NEWPORT RUSTIC BENCH.

Write for special circulars in regard to anything in this catalogue.

Rossman's Ornamental Lawn Fence.

The handsomest, the strongest and absolutely the most durable fencing on the market. Pickets are made of one continuous strand of thoroughly galvanized Bessemer steel wire. At the top the pickets interlap and the tops will not bend over like in other makes of fencing. This is an important feature; another is that there are no rough or ragged edges either at top or bottom. Cables have a peculiar right and left twist between each picket, which allows for expansion and contraction. Rossman Fencing never sags. Each cable is composed of two No. 12 wires; pickets of light fence are No. 10 wire, of heavy fence No. 6 wire, of extra heavy fence No. 4 wire.

PRICES OF ROSSMAN LAWN FENCE.

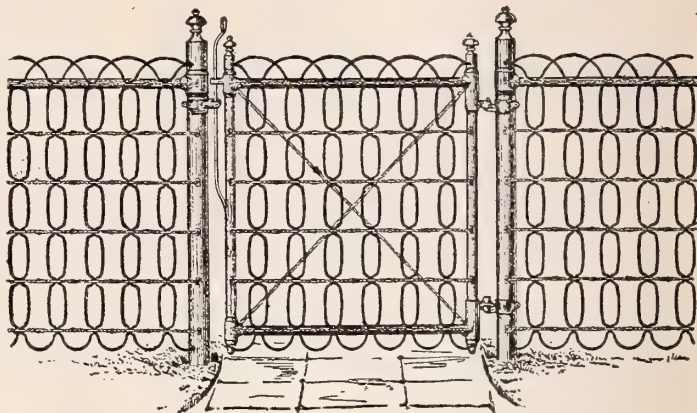
Height	Light	Heavy	Ex. Heavy.
32 in. per ft.	15c.	27c.	35c.
38 in. "	18c.	30c.	41c.
44 in. "	21c.	35c.	45c.
51 in. "	27c.	41c.	51c.
58 in. "	29c.	48c.	59c.

Corner or Gate Posts. \$1.00 to \$9.00 each

Line Posts. 50c. to \$1.75 each.

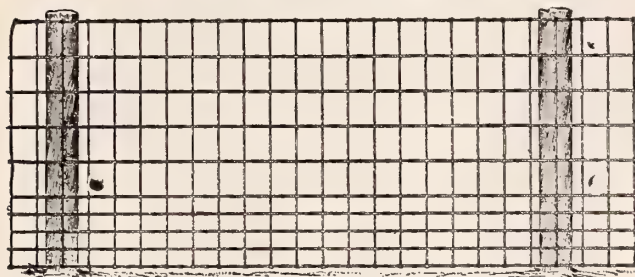
Top Rail. (1½ in. steel) Per foot, 15c.

Prices of gates quoted on application.



ROSSMAN'S STOCK FENCE.

Made in six heights from 21 to 54 inches. The stays are 5 inches apart; the five bottom cables are 3½ in. apart on the regular stock fence and the other cables 6½ in. apart. On the special stock fence all of the cables are 6½ in. apart. No. 12½ and No. 13 wires are used. Right and left hand expansion and contraction twist to prevent sagging. Stretches nicely over uneven ground. Easy to erect,



ROSSMAN REGULAR STOCK FENCE.

Height.	Regular	Special.
34 in. per rod	44c.	41c.
41 in. " "	49c.	44c.
48 in. " "	59c.	52c.
54 in. " "	66c.	60c.

We are agents for the celebrated Page Woven Wire Fence. Write for Catalogue and price list.

FROST STEEL GATES.

With Scroll Tops.

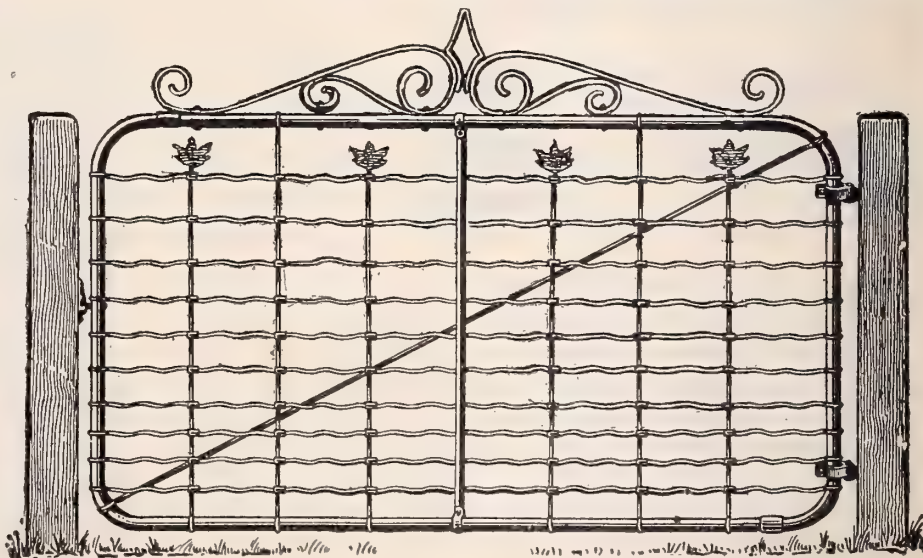
4 x 6 feet.....	\$4.75
4 x 8 feet.....	5.00
4 x 10 feet.....	5.75
4 x 12 feet.....	6.50

Plain Farm Gates.

4 x 10 feet.....	\$4.75
4 x 12 feet.....	5.25

Special sizes to order. Width means exact distance between posts; we make allowance for hinges and latches.

Rossman Lawn Gates. See cut above. Write for prices.

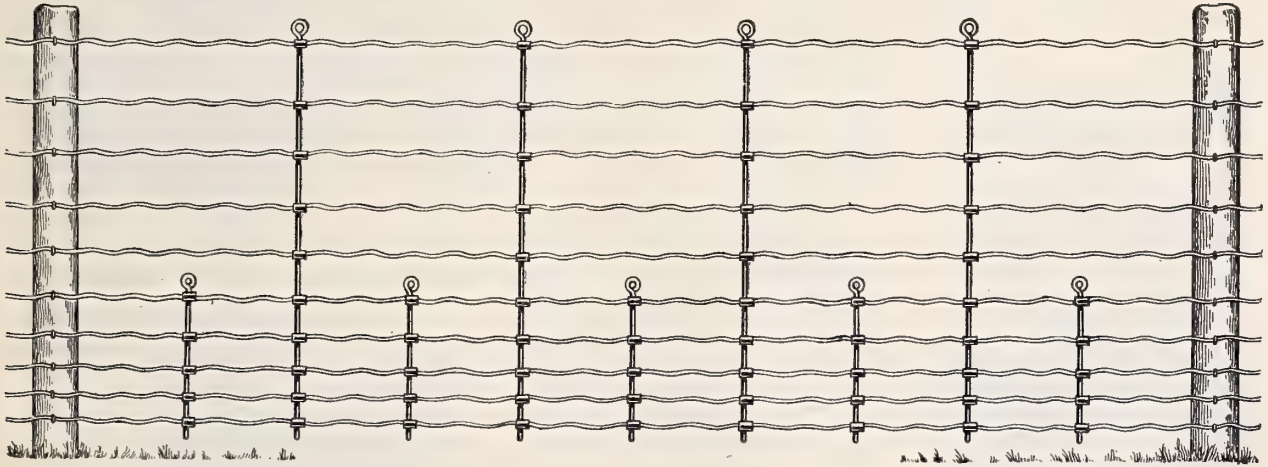


FROST SCROLL TOP GATE.

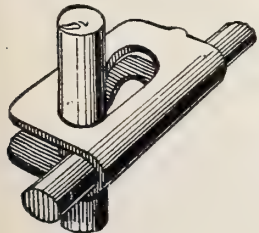
Special Estimates of Fencing Cheerfully Furnished.

The Frost Stay Fence.

The best wire fence that is on the market. Designed to meet the absolute need of a wire fence that contained weight, strength and durability to last a lifetime. It is not a woven fence; the horizontal or strand wires are stretched separately and the uprights or stays are quickly and securely attached by means of the celebrated Frost Lock, a cut of which we show below; this is done with a special tool, called a Locker. For the strand wires is used the Frost coiled Spring wire, which is the original and genuine wire of this kind and it is a wire that not only has twice the strength of soft wire, but most effectively provides for expansion and contraction. The uprights are made of Heavy Hard Bessemer Steel wire. The Frost One-Piece Lock is the simplest and most positive lock ever offered.



The Frost Fence is cheaper to erect than woven fences and requires fewer posts. Over 800 miles of this fence is in use by the Pennsylvania Railroad. When you erect Frost Fence you can space the strand wire to suit yourself. You can use any number of strands and any length of stay you desire; Five stays are generally used to the rod although four or six are often used. The illustration above shows a very good combination for a Hog and Cattle Fence. For a medium weight fence, No. 11 strand wires and No. 9 stays are used; for a heavy fence, No. 10 strand wires and No. 8 stays and for an extra heavy fence, No. 9 strand wires and No. 7 stays. The medium weight is called the "9-11 combination" the heavy is called the "8-10 combination" and the extra heavy is called the "7-9 combination". Hundreds of different combinations can be made of which the most popular are those mentioned below. Some people erect a low Frost Fence and stretch two or three strands or barb wire above it. The stays can be furnished with Maple Leaf tops as shown on the gate on the opposite page; these add about seven cents per rod to the cost of the fence.



FROST LOCK.

COST OF FROST FENCING PER ROD.

	7-9 Comb.	8-10 Comb.	9-11 Comb.
Nine Strand Fence, with Five $4\frac{1}{2}$ ft. Stays to the Rod.....	47c.	41c.	35c.
Eight Strand Fence, " " $4\frac{1}{4}$ ft. " " " "	43c.	36c.	31c.
Six Strand Fence, " " $3\frac{1}{2}$ ft. " " " "	33c.	29c.	24c.
Five Strand Fence, " " $3\frac{1}{4}$ ft. " " " "	29c.	25c.	21c.
Ten Strand Fence, with Four 5 ft. and Five 2 ft. Stays to the Rod, 8-10 combination (see cut.)	51c.		
Eight Strand Fence, with Four 4 ft. and Five 20 in. Stays to the Rod, 8-10 combination,	42c.		
Fifteen Strand Park Fence, with ten 7 ft. Stays to 20 ft., 8-10 combination,	85c.		

Note:—Stays are measured before being bent and will measure three inches less under the eye.

FENCING TOOLS AND SUPPLIES.

Frost Locker.....	\$2.50	Perfect Stretcher for Rossman Fence	\$7.50
Russell Wire Pliers and Staple Puller.....	1.25	Post Hole Diggers (see page 47.)	
Townsend Wire Stretcher.....	.75	Frost All Metal Wire Reel.....	3.50
Galvanized Tackle Blocks, for stretching....	1.25	Wire Staples broad or narrow, per lb.....	.04
Klein Grip, the best for hard wire.....	2.50	Barb and Ribbon Wire. Prices on application.	

Prices Subject to Change without Notice.

De Laval Cream Separator.

There is no question that centrifugal force Cream Separators are a most profitable investment for anyone who makes butter or sells cream. The use of one of these machines means a saving of from 10 to 30% in quantity and from 2 to 5% in quality; these are facts proven by actual tests. Besides this, the following items should be considered: the value of warm skim milk for feeding purposes, the doing away with the drudgery of handling numerous pots and pans and the saving in storage, ice, pumping of water, etc., Thousands of tests prove that the use of a De Laval Cream Separator means an average additional income of at least \$10.00 per year for every cow you keep. It is easy to figure out what this means for you. The De Laval is by far the most perfect Cream Separator. It is in a class by itself. It has many imitators, but it easily outclasses all. Write for catalogue giving full particulars.

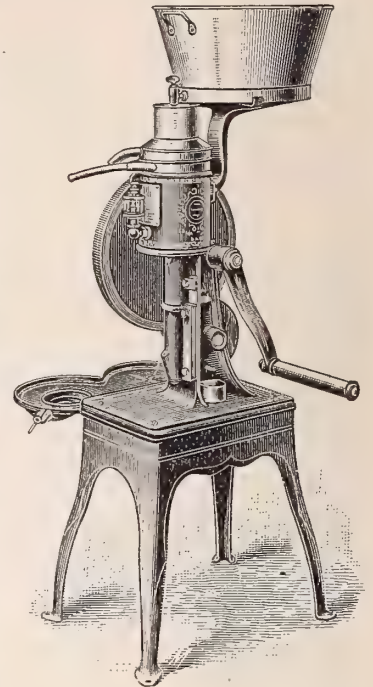


COOLER SEPARATOR.—WITH
AERATING COVER AND
COOLING ATTACHMENT.



FIG. 4.

Style	Capacity per hour	Price.
Humming Bird	250 lbs.	\$ 65.00
New Daisy, iron stool	350 "	85.00
Baby No. 1, iron stool	450 "	100.00
Baby No. 2, iron stool	600 "	125.00
Baby No. 2, high frame	600 "	125.00
Baby No. 3, high frame	1000 "	200.00
Dairy Steam Tur.	1000 "	225.00



BABY NO. 2—IRON STOOL.

WHEELER COOLER CREAM SEPARATOR.

Made in the very best manner. The inner can is for milk and the outer can can for water. The single separator has one milk can and the double Separator has two milk cans. Inner cans can be readily taken out for cleaning. There is nothing better on the market.

No. 10, 1 ten qt. milk can..	\$ 5.50	No. 110, 2 ten qt. milk cans	\$10.00
No. 20, 1 twenty qt. milk can	6.00	No. 120, 2 twenty qt. "	10.50
No. 30, 1 thirty qt. "	6.50	No. 130, 2 thirty qt. "	11.00
No. 40, 1 forty qt. "	7.00	No. 140, 2 forty qt. "	11.50

Special Cooling Attachments Extra.

For 10 qt. can, \$1.50; 20 qt. can, \$2.00;
30 qt. can, \$2.25; 40 qt. can, \$2.50.

WHEELER GRAVITY CREAM SEPARATOR. (Fig. 4.)

Made of the very best XXXX tin, the best that money can buy. The milk is mixed with equal quantity of water. Get cream in 2 to 3 hours. Have aerating cover. No. 1, holds 7 gallons, \$3.75. No. 2, holds 11 gallons, \$4.50. No. 3, 18 gallons, \$5.25. No. 4, 25 gallons, \$6.75.

KA DEXX CREAM SEPARATOR.

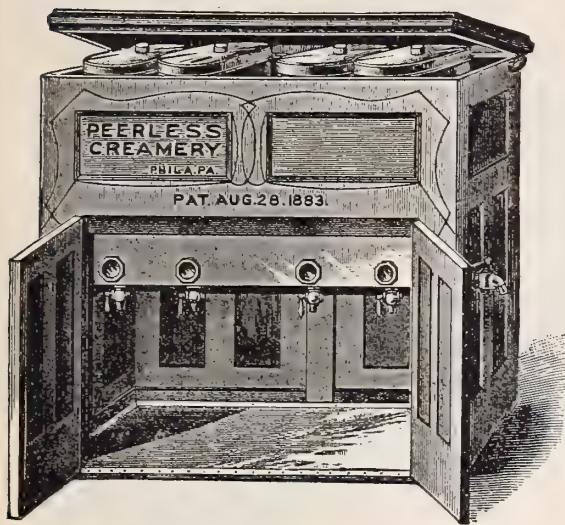
Easy to operate, very clean, no centre tube hindrance or corrugations for cream to stick to. Large cooling surface, water not mixed with milk, very well made.

No. 1, 5 gallons, \$5.00	No. 2, 10 gallons, \$8.00
No. 3, 14 gallons, 9.50	No. 4, 18 gallons, 11.00



Special Catalogues and Circulars Free on Application.

REID'S PEERLESS CREAMERY.



The oblong cans of the Peerless Creamery give greater cooling surface than any other style we know. The excellence of Reid's Creameries is well known. The Peerless is intended more especially for water cooling, although it is provided with a large ice space. Can each hold 18 qts.

No. 2, 2 cans, 4 to 6 cows, list \$27.00; retail, \$24.00.

No. 3, 3 cans, 7 to 9 cows, list \$33.00; retail, \$28.00.

No. 4, 4 cans, 10 to 12 cows, list, \$40.00; retail \$34.00.

No. 5, 6 cans, 13 to 18 cows, list \$52.00; retail \$45.00.

No. 6, 8 cans, 19 to 24 cows, list, \$64.00; retail, \$55.00

STAR MILK COOLER AND AERATOR.

The best known, best made and most correct in principle. Milk flows downward over outside of cooling surface and water upwards on the inside; by this process the temperature of the milk is reduced to within two degrees of that of the water. The results obtained

by using a Star Cooler, cannot be obtained by chilling the milk on an ice cold surface; for thorough aeration, a gradual, continuous cooling is necessary. Very easily cleaned, very practical.

No. 0, 40 gal. per hour, plain, \$15; elevated water, \$20.

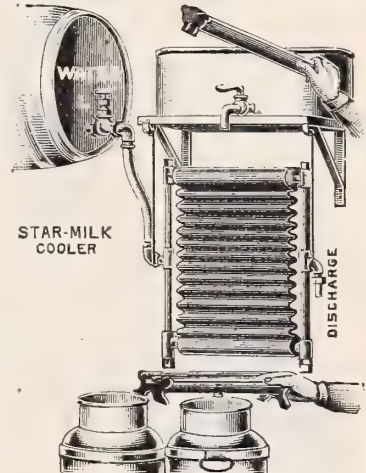
No. 1, 60 gal. per hour, plain, \$25; elevated water, \$30.

No. 2, 90 gal. per hour, plain, \$27; elevated water, \$33.

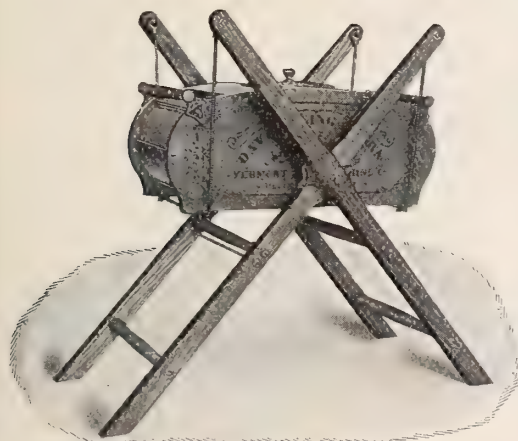
No. 3, 125 gal. per hour, plain, \$35; elevated water, \$42.

Siphon attachment on any size costs \$7.00 more than "Elevated Water".

Write for more detailed information.



STAR MILK COOLER.



DAVIS SWING CHURN.

DAVIS SWING CHURN.

The finest churn on the market. Has no floats or dashers. easy to clean, very easy to operate. Makes fine butter. No. 1 churns 4 gal. \$7.00; No. 2, churns 5 gal. \$8.00; No. 3, churns 8 gal. \$10.00; No. 4 10 gal. \$12.00; No. 5, 13 gal. \$15.00.

THE HERO BARREL CHURN.

Made from selected quartered white oak with an improved device for fastening the top. This is a very popular churn. The churning capacities are stated below and are one-half the actual capacity.

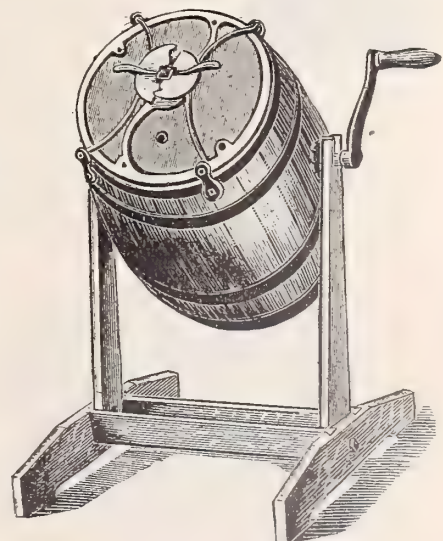


IMP. CEDAR CYL. CHURN.

No. 0, Churns 3	gallons, \$ 5.00
No. 1, Churns 4½	" 5.25
No. 2, Churns 7	" 6.00
No. 3, Churns 9	" 6.75
No. 4 Churns 12	" 8.50
No. 5, Churns 16	" 10.00

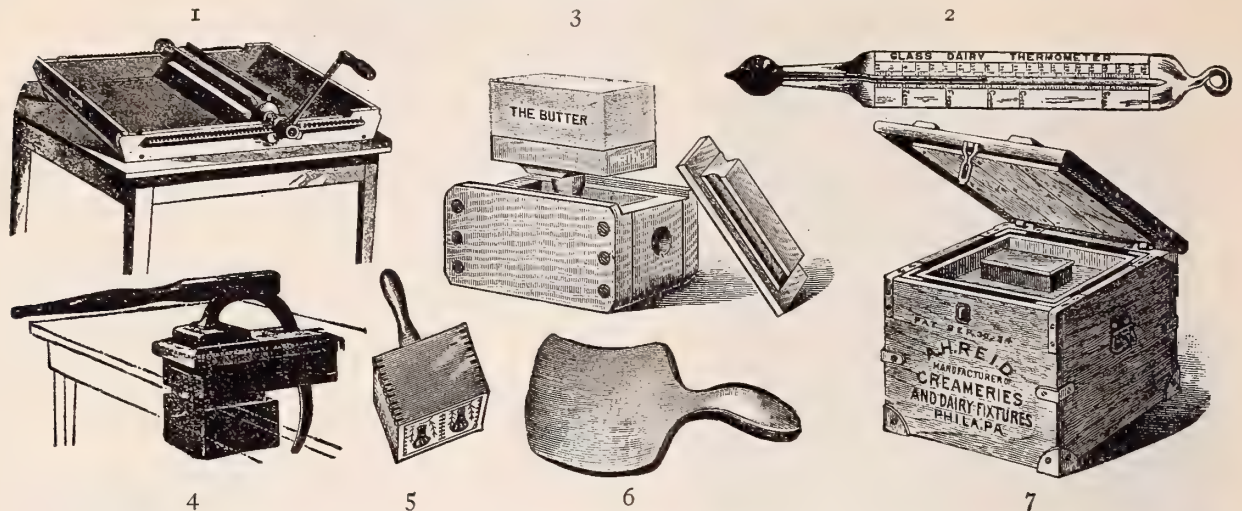
IMPROVED CEDAR CYLINDER CHURN.

No. 1, 2½ gal.,	\$2.00; No. 2, 4 gl.
\$2.50; No. 3, 7 gal.,	\$3.00; No. 4,
10½ gal.,	\$3.50.



HERO BARREL CHURN.

Write For Special Circulars.

**REID'S BUTTER WORKER. (Fig. 1.)**

This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

No. 1, Capacity 50 pounds or less	\$8.00
No. 2, Capacity 30 pounds or less	6.40
No. 3, Capacity 20 pounds or less	5.60
No. 4, Capacity 10 pounds or less	4.80

WELLS, RICHARDSON & CO'S BUTTER COLOR.

The best butter color on the market. Small bottle, colors 500 lbs., 25c.; large bottle, 50c.

MILK CANS.

Iowa pattern. Five gal., \$1.75; eight gal., \$2.00; ten gal., \$2.25. Baltimore pattern. Straight neck and drop handles. Five gal., \$2.25; ten gal., \$3.00. Extra for name on can, 25c. each. Special prices in large quantity.

**IOWA PATTERN.** tin; strong and durable.

3 gal., 50c.; 4 gal., 60c.; with special bottom, which is a good feature, 75c.

MISCELLANEOUS DAIRY SUPPLIES.

Parchment Butter Paper. In sheets 24 x 36 in. or cut for pound and half pound prints. Price, 20c. per pound.

Lafayette Butter Printer. (Fig. 4.) Either pound of half pound size, with table, \$15.00; with out table, \$10.00.

Philadelphia Print. (Fig. 3.) 1 lb., \$1.50; ½ lb., \$1.00.

Floating Dairy Thermometer. (Fig. 2.) 25c.

Maple Print. (Fig. 5.) ½ lb. size, 60c.

Butter Paddles. (Fig. 6.) 10c. to 40c.

Polished Maple Bowls. 15 in., 25c.; 17 in., 40c.

BUTTER SHIPPING BOX. (Fig. 7.)

Made of well seasoned lumber, iron bound edges and capped corners. The strongest package ever offered to shippers and very convenient.

Capacity.	Price.
24 ½-lb. prints.....	\$4.00
36 ½ lb. prints.....	4.50
64 ½-lb. prints.....	5.25
80 ½-lb. prints.....	5.50
100 ½-lb. prints.....	6.00
120 ½-lb. prints.....	6.50
140 ½-lb. prints.....	7.00
12 1-lb. prints.....	3.50
20 1-lb. prints.....	3.75
30 1-lb. prints.....	4.25
40 1-lb. prints.....	4.75
56 1-lb. prints.....	5.00
80 1-lb. prints.....	5.50
96 1-lb. prints.....	5.75

CHAMPION MILK COOLER.

Very effective as a cooler and Aerator. Very easily cleaned.

No. 1, 10 qt. Milk Recv'r.	\$5.50
No. 2, 18 " " "	6.00
No. 3, 34 " " "	6.50
No. 4, 52 " " "	8.00

Milk Strainer. Very fine mesh wire cloth. No. 1 and 2, \$1.00; No. 3, \$1.25; No. 4, \$1.50.

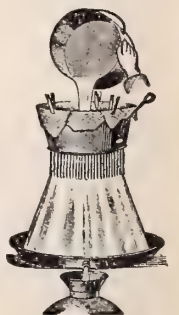
BABCOCK "FACILE" HAND TESTER.

The best made. Six bottle, \$9.00; 8 bottle, \$10.00; 10 bottle, \$12.00.

RICE'S CALF WEANER.

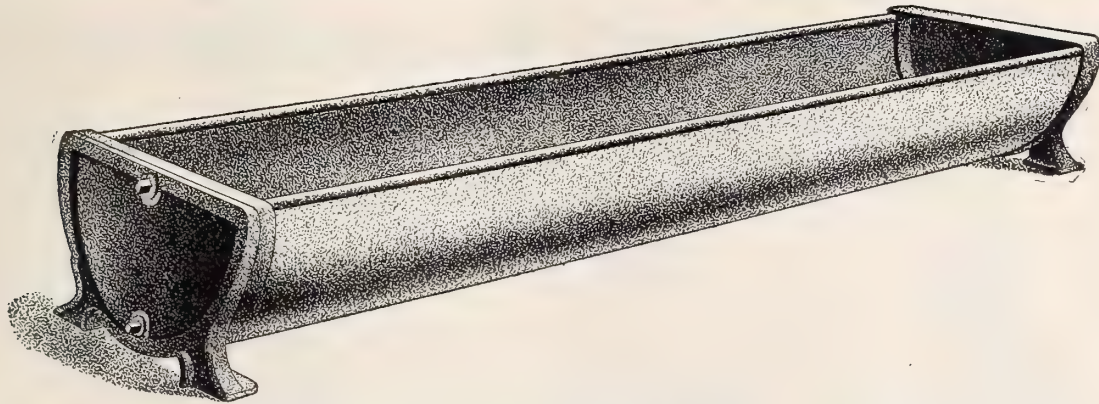
Very effective for weaning calves and preventing cows sucking themselves.

No. 1, for calves, 30c.; mail, 35c. No. 2, for Heifers; 50c., by mail, 56c. No. 3, for cows, 75c.; mail, 85c.



“Perfection” Rivetless Steel Troughs.

It is the only steel trough constructed without the use of rivets or solder joints. It is positively guaranteed not to crack or burst on account of freezing. Instead of sharp edges of steel which are found on other troughs, this trough is finished on the edges with steel tubing to prevent stock from injury by coming into contact with the edges; this feature is found on no other trough. Note the illustration and we think you will agree that you know of no other trough equal to it.



They are 18 inches wide at top, 10 inches deep and have a capacity of eight gallons per foot.

No. 78, 3 feet long\$5.00 No. 80, 5 feet long.....\$6.25 No. 82, 8 feet long..... 9.00
No. 79, 4 “ “ “ “ 5.00 No. 81, 6 “ “ “ “ 7.25 No. 83, 10 “ “11.50

The sizes we list are most popular. Can furnish any size trough from 14 inches to 42 inches wide at top and from 3 feet to 20 feet long. Can also furnish cast iron water troughs in a large variety of sizes.

CAST IRON HOG TROUGHS.

No seams for food to lodge in and being easy to clean there is no likelihood of foul, unhealthy odors. There is no danger of bursting from freezing and the price is within the reach of all. These troughs are very popular with all who use them. The width of these hog troughs at the top is 12 inches

and at the bottom, 2 inches; the depth is 6 inches and the capacity per foot is 2 gallons. They are made in lengths as



follows: 2 ft., 2½ ft., 3 ft., 3½ ft., and so on, every half foot, up to 8 feet. Price per foot, 40c

CAST IRON POULTRY TROUGHS.



NO. 0 POULTRY TROUGH.

No. 0 a special design as shown by cut 8 inches long, 3½ inches wide 1¼ deep, 20c.
No. 1, 20 inches long, 4 inches wide, 1½ inches deep..... 35c.
No. 1, 20 inches long, 4 inches wide 1½ inches deep..... 35c.

No. 2, 24 inches long 7 inches wide 3 inches deep, 70c.
No. 3, 29 inches long, 7 inches wide, 3 inches deep, 85c

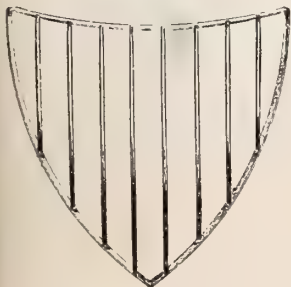
CAST IRON CORNER MANGERS.

Popular and widely used. Made with inside flange.

No. 187, 15 x 15 in.; 8 in. deep..\$1.00
No. 188, 16 x 16 in.; 10 in. deep 1.15
No. 188½, 17 x 17 in.;
10 in. deep..\$1.25



STYLE OF NOS. 1, 2 & 3 POULTRY TROUGHS.



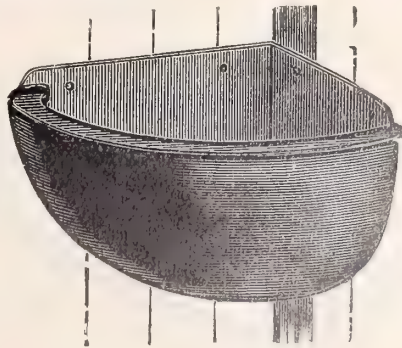
WROUGHT HAY RACK.

WROUGHT IRON HAY RACKS.

Well made and very serviceable,
Price, \$1.60.

CAST IRON STALL GUARDS.

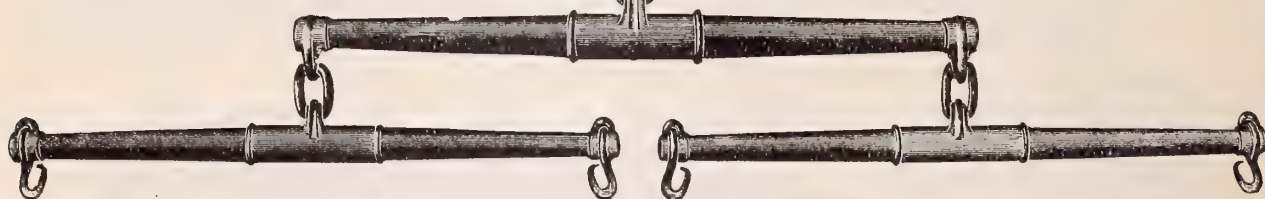
Length 6 feet; height, 25 inches,
Price, \$4.50.



IRON CORNER MANGER.

Special Prices to Buyers of Large Quantities.

Tubular Steel Plow Doubletrees.



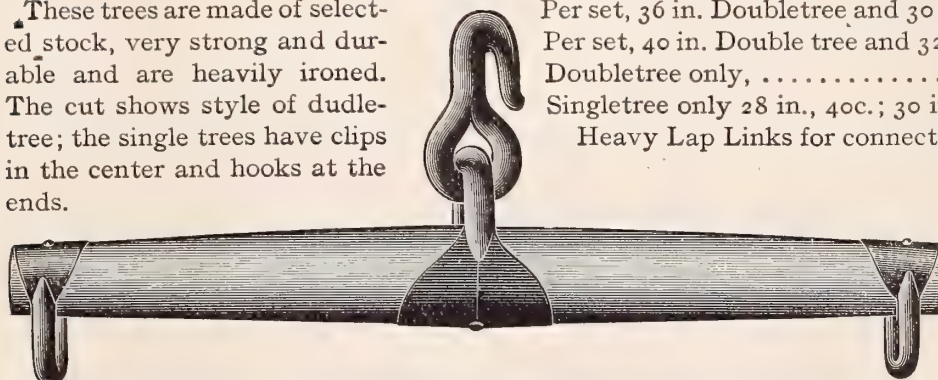
Can furnish these in sets complete, as shown in cut, or can furnish single trees separate. They are extensively used both for farm plowing and by contractors for heavy work. They last a lifetime.

No. 0, Light, 33 in. double tree, 28 in. single trees, weight 18 lbs.	Per set ...	\$2.50
No. 1, Regular, 36 in. double tree, 30 in. single trees " 20 "	" " ...	\$3.00
No. 2, Heavy, 36 in. double tree, 32 in. single trees " 25 "	" " ...	\$3.75

Tubular Single Trees. 26 in., 70 c.; 28 in. 75c.; 30 in. 80c.; 32 in. \$1.20.

WOOD PLOW DOUBLE AND SINGLE TREES.

These trees are made of selected stock, very strong and durable and are heavily ironed. The cut shows style of dudle-tree; the single trees have clips in the center and hooks at the ends.



Per set, 36 in. Doubletree and 30 in. Singletrees	\$2.10
Per set, 40 in. Double tree and 32 in. Singletrees.	2.40
Doubletree only, 36 in., \$1.00; 40 in., 1.10	
Singletree only 28 in., 40c.; 30 in., 50c.; 32 in. 60c.	

Heavy Lap Links for connecting Double and Singletrees 10 cents each.

Heavy Singletree Clips
Per set, 20c.

Heavy Doubletree Clips
Per set, 35c.

Wood Neck Yokes, Ironed complete price each 75c. Extra heavy Plow Tripletrees, price each \$2.00.

NORTH'S IMPROVED ADJUSTABLE WAGON SPRING.

No fruit grower or trucker can afford to be without a set. They are worth many times their cost. In ordering state width of bolster between standards.

Cap'ty. 1000 lbs. set,	\$ 4.00
Cap'ty. 1500 lbs. "	6.00
Cap'ty. 2000 lbs. "	7.00
Cap'ty. 2500 lbs. "	7.50
Cap'ty. 3000 lbs. "	8.00
Cap'ty. 4000 lbs. "	10.00

Cross Spring is shown in position for heavy loads; can be turned off bolster for light loads.



THE EASY BOLSTER SPRING.

No alteration to wagon box necessary. Raises bed less than any other spring. Always state width of bolster.



Cap'ty.	Price per set
1200 lbs.	\$ 9.00
2000 "	10.00
3000 "	11.00
4000 "	13.00
5000 "	14.00

All Prices Subject to Change without Notice.

The Lovell Improved Extension Ladder.

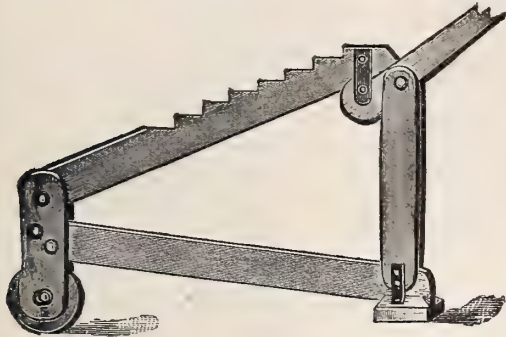
This Ladder is a model of simplicity, lightness and strength, and is designed to meet a want long felt by Painters and others requiring a long, light Ladder of various lengths. There should be one at every country residence, in case of fire. It can be varied to any length by its Automatic Fastenings. They are attached to the lower end of the sliding section, and fasten or unfasten themselves at the will of the operator, when the crank is turned, not requiring anything of the rope except to raise and lower the sliding section.

10 ft. extends	17 ft.	\$ 4.25
12 ft. "	21 "	5.00
14 ft. "	25 "	6.25
16 ft. "	29 "	8.00
18 ft. "	33 "	9.00
20 ft. "	37 "	11.00

Sectional Ladders. 6 ft. long.
Samson, \$1.25, Earl \$1.00 each.
Step Ladders, 15c. to 40c. a ft.

NEW SAMSON JACK.

Made of malleable iron and constructed with a view to great strength and powerful leverage. Very simple and low in price.



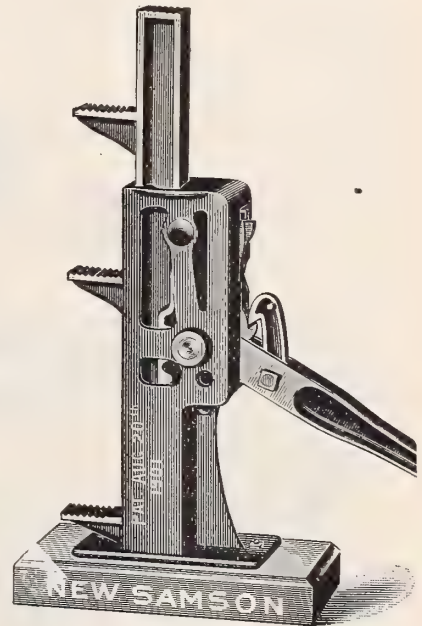
Price List.

No. 4 for 2 tons..	\$3.00
No. 5 for 6 tons..	4.00

OLIVER PRACTICAL JACK.

Made of hard maple. Very convenient and durable.

No. 1, one ton,	\$1.00
No. 2, two tons,	1.25
No. 3, three tons,	1.75



U. T. K. MOUNTED GRINDSTONE.

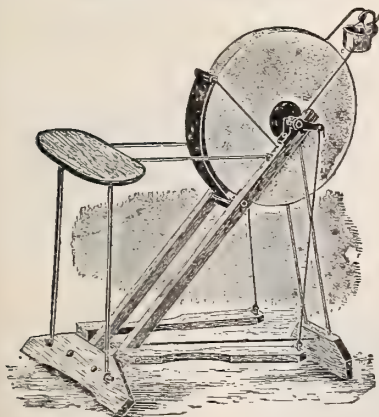
The nicest stone of its kind on the market. Wrought iron legs, malleable iron hangers, wood parts attractively finished in vermillion. The stone is best quality Berea or Grafton Grit.

No. 1	\$3.50
No. 2	3.25
No. 3	3.00

"QUICK EDGE"

GRINDSTONE.

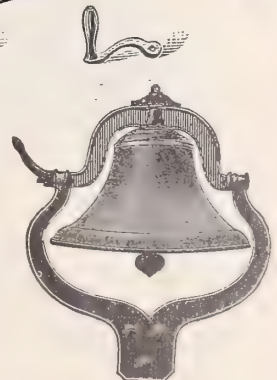
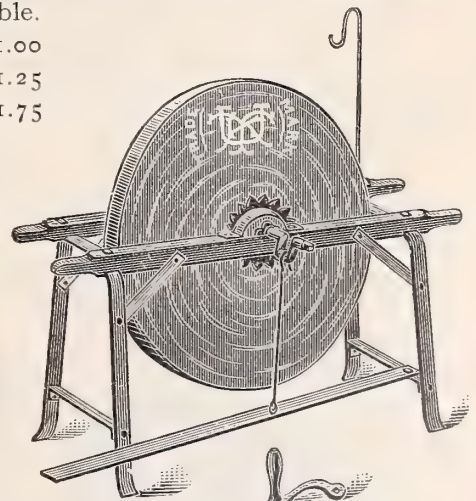
Two treadles, ball bearings, lasts a lifetime. The operator saves time, works easily, sits comfortably and wears stone evenly. The stone is of good grit, the frame is hard wood and wrought iron, the ball bearings are steel. One man does the work of two. Price, \$3.50.



QUICK EDGE GRINDSTONE.

CRYSTAL METAL FARM BELLS.

These bells are covered with a rich gold bronze, black varnished hangings. No. 1, 40lbs., \$1.75; No. 2, 50lbs., \$2.25; No. 3, 75lbs., \$3.40; No. 4, 100lbs., \$4.50.

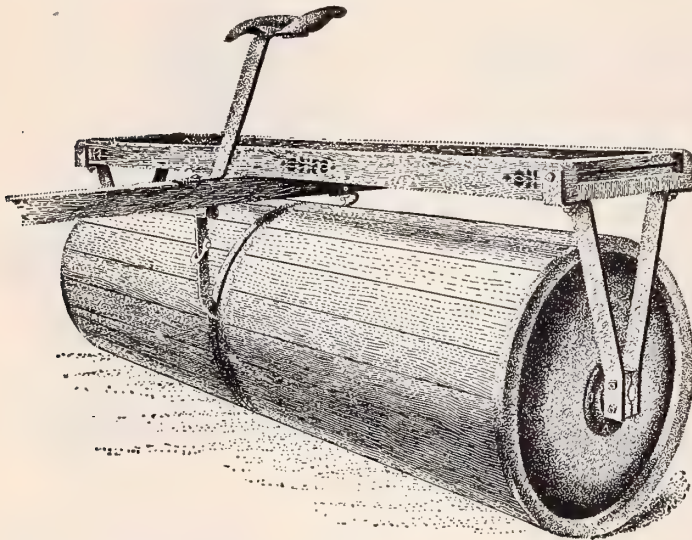
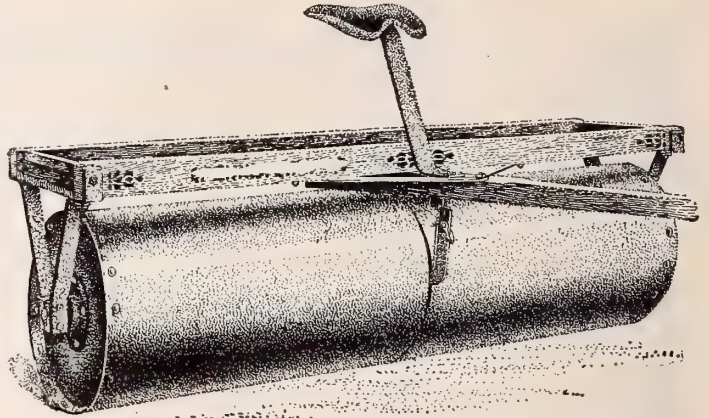


Champion Steel Field Rollers.

In offering our Champion Steel Field Roller, we do so believing it to be the best Roller of its kind on the market. We call particular attention to the patent pressed steel head which keeps the earth from clogging in the shells as in an open head Roller, also to the removable chilled bushing, which is bolted fast to the head and which is a valuable feature, as they can be readily replaced by anyone at a trifling expense and saves the trouble and cost of sending the Roller to the machine shop when the bearings are worn out. Diameter is 26 in.

Size.	Sections.	Weight.	Price.
8 Ft.	Two	600 lbs.	\$25.00.
8 Ft.	Three	630 lbs.	28.00.
6 Ft.	Two	450 lbs.	23.00.

Prices including double-trees and neck-yoke



CHAMPION WOOD STAVE ROLLER.

Only thoroughly seasoned hard lumber is used in this roller. The staves are securely bolted to a pressed steel head, insuring the greatest degree of rigidity. All staves are tongued and grooved and everything that superior workmanship can devise has been put into these rollers. The pole is thoroughly braced. While the demand among farmers is principally for a steel face roller, still their there are a number who still prefer a wood stave roller and to these we recommend our Champion Roller as the best on the market. Price complete with doubletrees and neck-yoke, \$20.00.

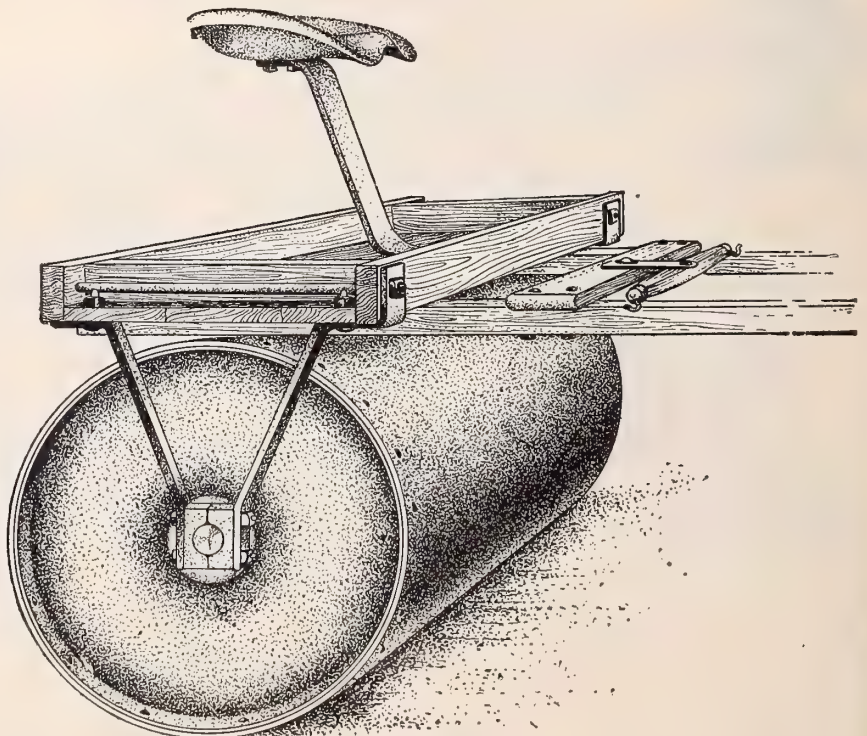
CHAMPION ONE-HORSE FIELD ROLLER.

This roller is designed especially for use on small farms and lawns. Made on same principle as the two-horse steel roller and is the most durable roller of its class ever offered. The No. 16 and No. 17 are both 24 in. in diameter and are alike in every particular except that No. 16 is a one-section roller and No. 17 a two-section roller. The total width of each of these rollers is four feet and, as shown in the cut they are equipped with shafts and singletree.

No. 16, weight 300 lbs. \$18.00.

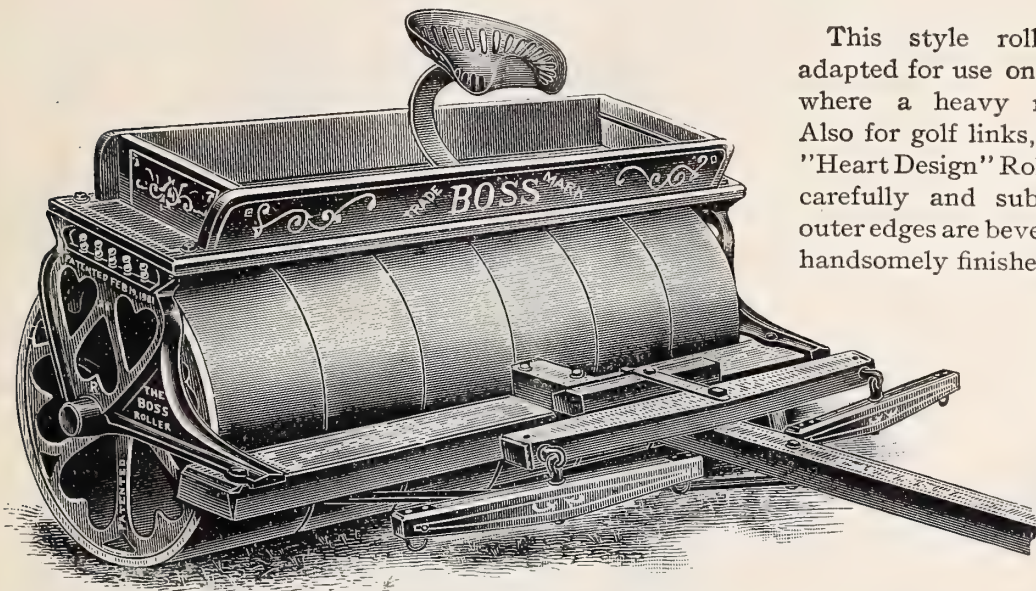
No. 17, " 325 " 20.00.

SPECIAL ROLLERS. Prices on special rollers on application.



We handle a full line of Lawn supplies.

The Boss "Heart Design" One and Two Horse Rollers
for Lawns and Golf Links.



This style roller is especially adapted for use on extensive lawns where a heavy roller is needed. Also for golf links, roads etc. The "Heart Design" Rollers are built very carefully and substantially. The outer edges are bevelled, the rolls are handsomely finished and the wood work is very attractively painted and striped. It is the lightest draft roller on the market and pulls direct from the axle.

It is perfectly balanced, there is no weight on the team. List prices given below are subject to a discount of 20%.

No. 60	One horse	20 in.	diameter,	4 ft.	long,	in four sections,	weight	950 lbs.	Price	\$ 61.00
No. 61	"	"	"	5 ft.	"	in five	"	1150 "	"	71.00
No. 63	"	"	"	5 ft.	"	in five	"	1450 "	"	89.00
No. 64	"	"	"	6 ft.	"	in six	"	1700 "	"	102.00
No. 66	"	"	"	5 ft.	"	in five	"	1650 "	"	101.00
No. 68	"	"	"	4 ft.	"	in four	"	2200 "	"	136.00
No. 70	two horse	20 in.	"	5 ft.	"	in five	"	1150 "	"	71.00
No. 73	"	"	"	6 ft.	"	in six	"	1700 "	"	102.00
No. 76	"	"	"	6 ft.	"	in six	"	1950 "	"	117.00
No. 79	"	"	"	6 ft.	"	in six	"	3000 "	"	180.00

Whiffletrees and neck yoke, \$4.00 extra. Scraper, \$6.00 extra. Additional weights, 5c. per lb.

PRICES OF EXTRA HEAVY ROAD AND GOLF GROUND ROLLERS QUOTED ON APPLICATION.

"HEART DESIGN" HAND LAWN ROLLERS.

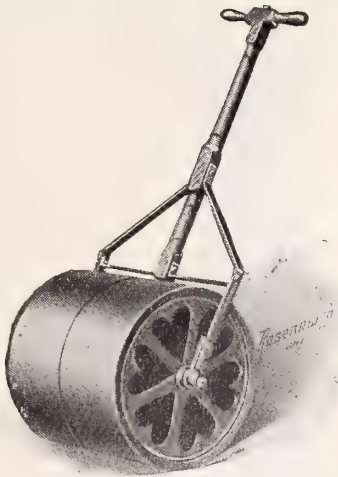
These Rollers, like the "Heart Design" Horse Rollers, are very well made and of neat appearance. The edges are rounded, the face very smooth and carefully trued. Dirt and grass will not cling to them, as there are no rivets or roughnesses to gather trash or tear the lawn. Provided with counter balance which holds up handle.

No. 1,	15 in.	diam.	15 in.	long	2 sect.	150 lbs	\$ 9.50
No. 3,	20 in.	"	15 in.	"	2 "	225 "	14.00
No. 5,	20 in.	"	20 in.	"	1 "	250 "	15.50
No. 7,	20 in.	"	24 in.	"	2 "	300 "	18.50
No. 9,	24 in.	"	20 in.	"	2 "	400 "	24.50
No. 11,	24 in.	"	24 in.	"	3 "	450 "	27.50
No. 12,	24 in.	"	30 in.	"	3 "	500 "	30.50

Additional weights 5c. per lb. Weight box \$2.00 to \$3.00.
Above prices subject to a discount of 20%.

A WORD ABOUT ROLLING LAWNS.

The benefit derived from the use of a roller on the lawn, especially in the Spring is not fully understood. The action of freezing and thawing causes the ground to heave and, if the sod is not firmly pressed back with a roller before the hot weather begins, the grass is apt to be killed or injured, leaving the lawn full of bare spots.



Our Rollers are used on the Lawns of the Leading Country Clubs.

Myers Brass Bucket Spray Pump.

The best Spray Pumps on the market. Cylinder and air chamber side by side and all the work is done on the down stroke; a valuable feature peculiar to Myers Pumps. The Myers patent agitator is very effective and simple. It is simply a small jet of water discharged at the bottom of the pump. Constructed entirely of brass.

PIPE EXTENSION. (Fig. 480.)

It can be readily understood that a fine mist cannot be thrown a great distance by any pump no matter how much force it has. For this reason a pipe extension is a very important part of spray pump equipment and it enables you to put the spray just where you want it.

WHITEWASHING.

The Myers spray pumps have proven themselves a decided success for whitewashing factories, cellars, fences, chicken houses etc., and can be utilized to great advantage for places which could not be reached by a brush. The high pressure causes the fluid to penetrate all the unevenness in the surface, covering uniformly. Always use Bordeaux Nozzle.

No. 325 Myers Imperial Brass Spray Pump (Fig. 640.) with patent agitator, hose and either Vermorel or Bordeaux Nozzle. List, \$5.00, our retail price, \$3.50.

No. 326, same pump as No. 325, but with 8 ft. pipe extension. List, \$5.50, retail, \$3.75.

Little Giant Brass Bucket Spray Pumps (Fig. 601.) With patent agitator, hose and Imperial combination fine and coarse spray and solid stream nozzle. List, \$4.50, retail \$3.00. This pump can also be furnished with malleable foot rest as shown in Fig. 640. There is no extra charge for the foot rest.

For Pipe Extension on Little Giant Pumps. add 50c. to list or 25c. to retail price.

For Bordeaux or Vermorel Nozzles on Little Giant Pumps, add 50c. to list or 25c. to retail price.

Myers Perfect Bucket Spray Pump. (Fig. 657.) On the same principle as the Imperial Spray Pump but with a large air chamber, 2 inches in diameter, insuring a very steady stream; has wide base and will stand alone. With Imperial nozzle, list, \$6.00; retail, \$4.00 Bordeaux Nozzle or pipe extension extra.

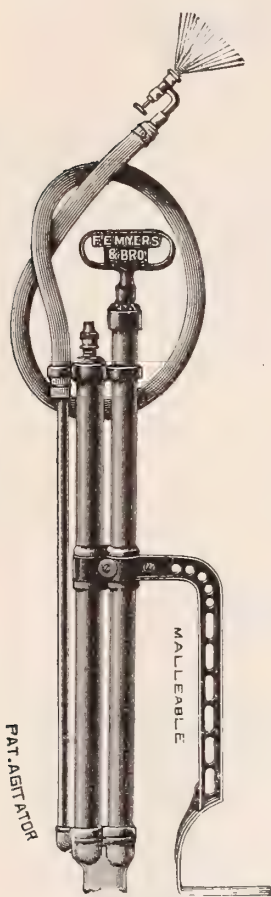


Fig. 640.

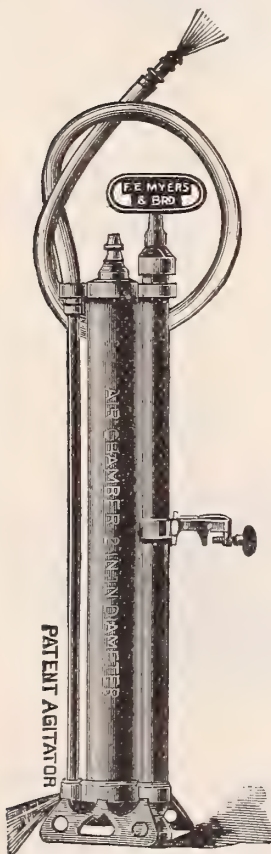


Fig. 657.

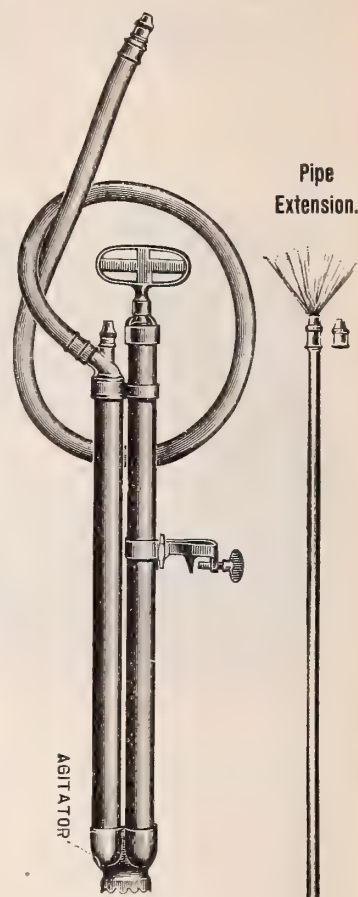


Fig. 601.

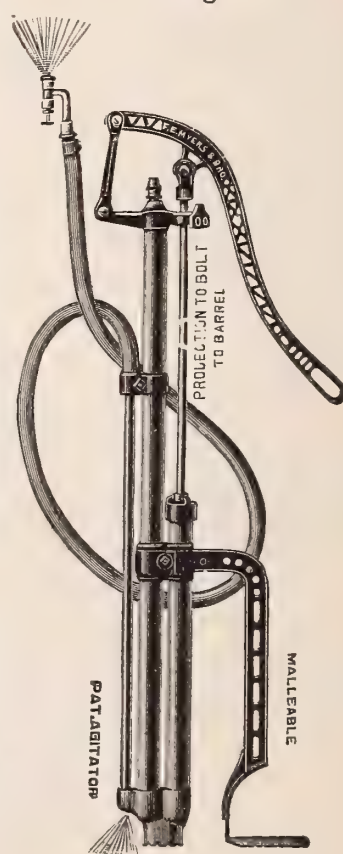


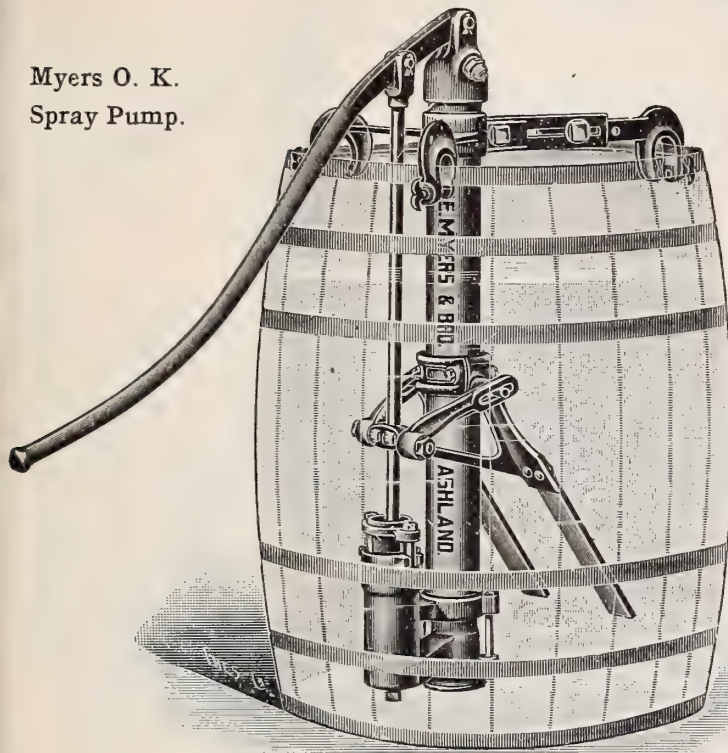
Fig. 632.



Fig. 480.

Myers O. K. Spray Pump.

Myers O. K.
Spray Pump.



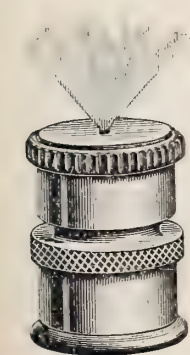
For Hot, Cold or Any Kind of Mixture. Has mechanical agitator, solid brass ram plunger, ground bevel valve and seat. The new Myers O. K. Spray pump has a special clamping device that can be adjusted to any barrel, regardless of the height or width. The cylinder is what is known as a ram plunger, made of solid brass tube with a closed end, which passes through a circular hemp packing, which adapts it for pumping hot, cold or any kind of mixture. The packing gland has a simple and positive adjustment by which all wear can be readily be taken up. The valves can be easily taken out and repaired. The air chamber is made of 2½-in. steel tube, the handle is wrought steel with adjustable stroke and the pump is fitted for two strings of discharge hose. Price of pump without hose or barrel, list, \$20.00; retail, \$14.00. Superior Discharge Hose per foot, list, 30c.; retail, 22c.

Barrel for Myers Spray Pumps, \$2.00.

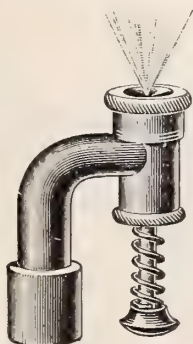
No. 324. Myers Lever Bucket and Barrel Spray Pump. (Fig. 632). This pump has many advantages. The lever handle is a most desirable feature and the work is all done on the downward stroke. With the malleable foot rest it is a most excellent bucket pump, and by taking off the foot rest. Can be attached to a barrel by the projection shown on the cut. With either Bordeaux or Vermorel nozzle, list, \$6.00; retail, \$4.00. Pipe extension extra.

No. 305. Myers Improved Barrel Spray Pump. (Fig. 702). The entire pump sets in the barrel containing the liquid and is bolted fast to the staves at the upper end. The working parts being all submerged, the possibility of losing packing is done away with. Valves and seats are ground brass, brass cylinder and discharging pipe, patent expansive bucket, large 30-in. air chamber. Vermorel or Bordeaux nozzle. List price, \$10.00; retail price, \$7.00. Pipe extensions extra.

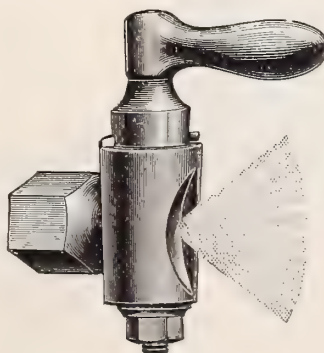
No. 306. The same pump as No. 305, but with two two leads of hose and two nozzles. List price, \$12.00; retail price, \$8.00.



IMPERIAL NOZZLE



VERMOREL NOZZLE



BORDEAUX NOZZLE

IMPERIAL SPRAY NOZZLE. For ¼ in hose. List, 50c., retail, 40c.

BORDEAUX NOZZLE. For spray or stream. List, \$1.00; retail, 75c.

VERMOREL NOZZLE. Regular pattern. List, \$1.00; retail, 75c.

GRADUATING VERMOREL NOZZLE. List, \$1.25; retail, 90c.

HOSE ENDS. Per pair, List, 60c.; retail 50c.

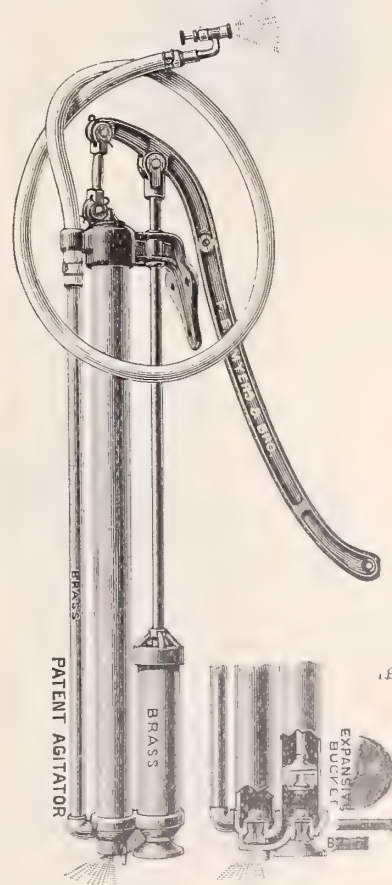
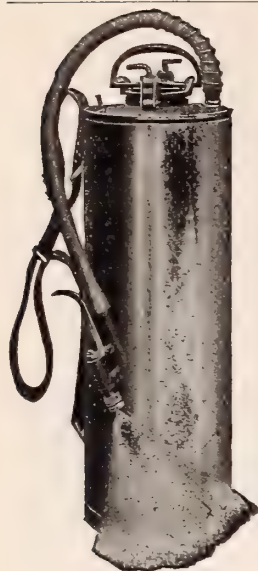


Fig. 702.

Fruit Growers: Dont fail to spray systematically.

The "Auto-Spray."



NO. 1—AUTO-SPRAY.



NO. 2—AUTO-SPRAY.

The name "Auto-Spray" distinguishes the only perfect compressed air sprayer. The "Auto-Spray" works automatically for from six to fifteen minutes and may be charged in fifteen seconds by a stroke of the plunger. The "Auto-Spray" is the result of valuable original ideas, ingenuity and mechanical ability. One boy with an "Auto-Spray" will easily do as much as three men with a hand atomizer or any other hand device.

No. 1 "Auto-Spray." Diameter 7 in., height 2 ft., 4 gal. tank with our patent inward lock seam; brass connections, stop cock and nozzle, are turned out of solid brass and are not stamped of thin sheet metal. **No. 1 Brass Tank** with stop cock, \$6.50. With "Auto-Pop", \$7.50. **No. 1 Galvanized Tank** with stop cock, \$5.00. With "Auto-Pop", \$6.00.

No. 2 "Auto-Spray." (Bucket Pump) Sold complete as shown in the cut except that Pail is not furnished. May be attached rigidly to any pail or bucket very useful for spraying, whitewashing, etc. One-in. brass cylinders, brass ball valves. Price, complete without bucket, \$5.00.

No. 3 "Auto-Spray." Has wonderful power and capacity; cylinders extra heavy 1½-in. All parts brass except handles and fittings. Price for pump, as shown in cut, \$8.00. Pump with heavy galvanized tank of 8-gal. capacity, \$14.00.

BRASS PIPE EXTENSION. 35c. per 2-ft. length.

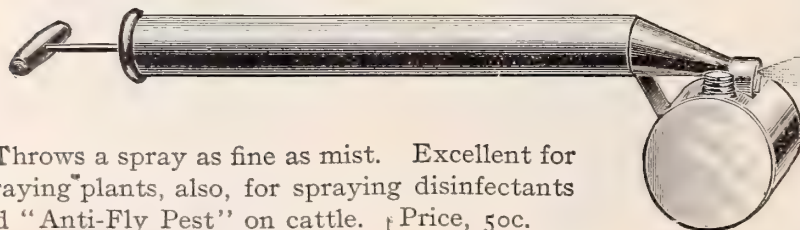
"Auto-Spray" TORCH Used with "Auto-Spray" Burns vaporized kerosene. Very effective. \$1.00. **"AUTO-POP."** Improved automatic nozzle, \$1.25.

MYERS KNAPSACK SPRAY PUMP. (Fig. 547).

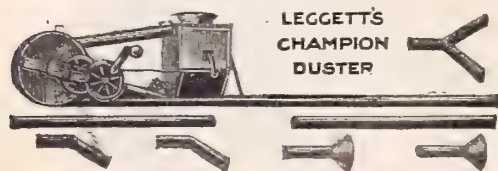
A convenient outfit. Four to six acres of vines can be covered in one day. Holds 5 gals. Price, with galvanized tank, pipe extension and either Bordeaux or Vermorel Nozzle, List, \$10.00; retail \$6.00. Same outfit with copper tank, list, \$16.00; retail, \$9.50.

No. 332 KNAPSACK SPRAYER. Operates with hand bulb and rose. Has 5-gal. galvanized tank. List, \$5.00; retail, \$3.00. **No. 333.** Like No. 332, but with 2 leads of hose, for 2 rows. List, \$7.00; retail, \$4.25.

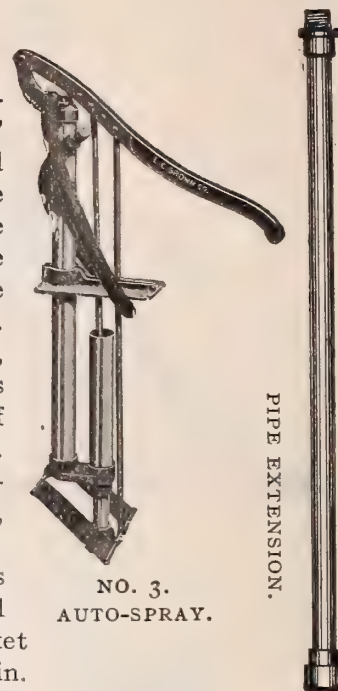
THE FAULTLESS HAND SPRAYER.



Throws a spray as fine as mist. Excellent for spraying plants, also, for spraying disinfectants and "Anti-Fly Pest" on cattle. Price, 50c.

LEGGETT'S
CHAMPION
DUSTER

The Leggett Champion Duster or Dry Powder Gun is the only successful machine of its kind on the market. It does its work thoroughly, is light in weight, simple and so well made that it will last for years. Can dust two rows at one time and is excellent for dusting trees. Price, \$8.00.

NO. 3.
AUTO-SPRAY.

PIPE EXTENSION.

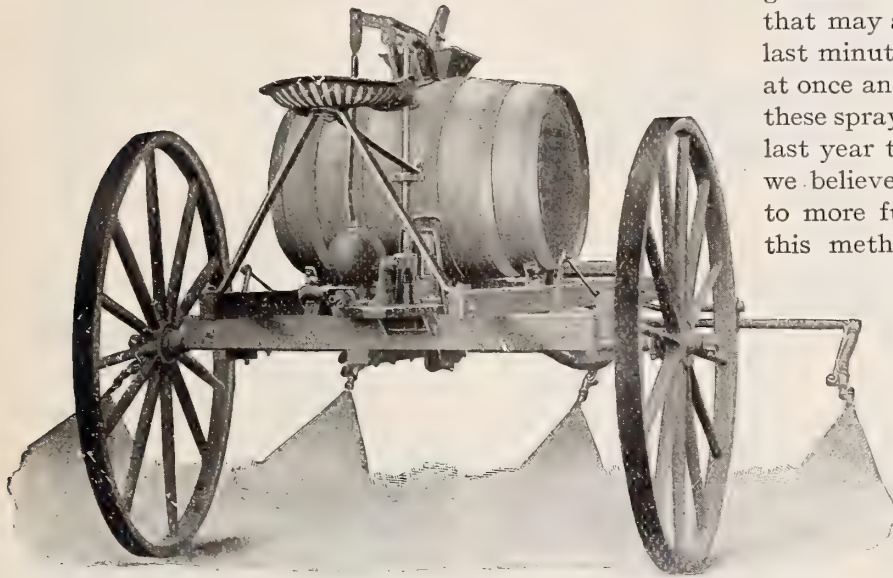


Fig. 547. Myers Knapsack Spray Pump

Increase profits of fruit growing by spraying systematically.

The Aspinwall 4-Row Sprayer.

Conditions now existing call for the best and most improved devices for spraying and we believe the requirements are met in the machine which is here offered. Spraying against blight and insects is now recognized as a necessity by potato growers. With the rapid spread of blight, it behooves the



grower to be ready for any emergency that may arise. Do not wait until the last minute but investigate this subject at once and be prepared. The trade on these sprayers is growing; we sold more last year than any previous season and we believe that growers are beginning to more fully appreciate the merits of this method of treating their potato crop. The new Aspinwall 4 Row Sprayer is fitted with a brass lined pump cylinder, brass ball valves and brass valve seats. With this machine, from twenty-five to thirty acres can be gone over in a day and one barrel of mixture will cover from four to six acres.

SOME REASONS WHY GROWERS PREFER THE ASPINWALL 4 ROW SPRAYER.

1. The pump, governed by the pressure required at nozzles, is automatic and pressure can be changed instantly by operator without his leaving seat. No waste force in any direction.
2. A special arrangement prevents all clogging and obviates the necessity of a screen in barrel.
3. The valve mechanism is simplest and most durable, brass ball valves being used as stated above.
4. The pipe connections are all in front; the nozzles are underneath the machine and set to spray backwards, are in easy view of the driver and can be readily adjusted to any width of planting.
5. Each individual nozzle can, by foot pressure, be readily set to meet any irregularity in row.
6. It is the quickest and easiest machine on the market to set up and adjust.

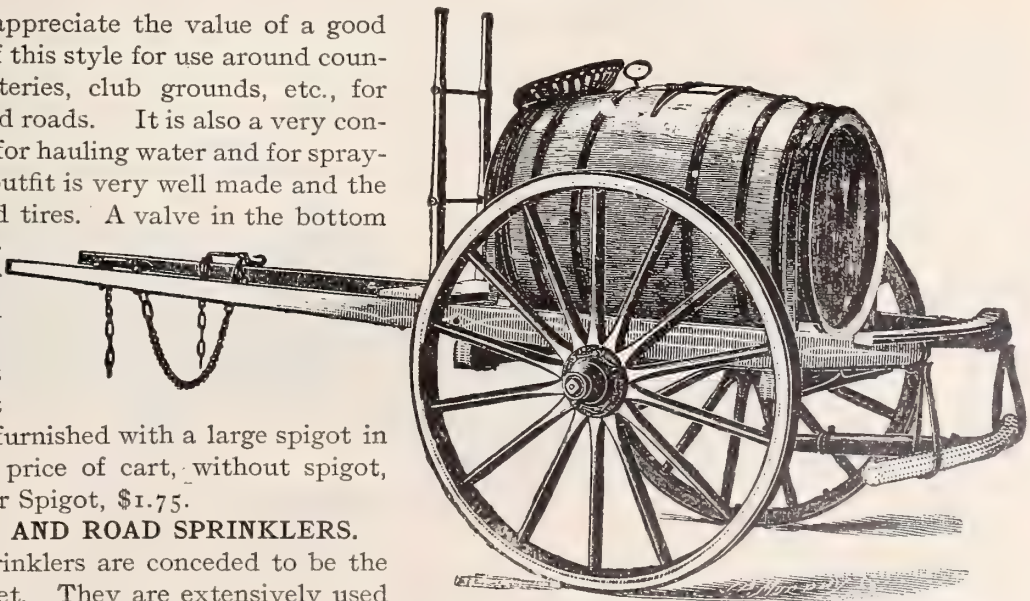
LAMBERD LAWN AND ROAD SPRINKLER.

Price, \$50.00.

Everyone will appreciate the value of a good substantial cart of this style for use around country places, cemeteries, club grounds, etc., for watering lawns and roads. It is also a very convenient tank cart for hauling water and for spraying. The whole outfit is very well made and the wheels have broad tires. A valve in the bottom of the tank is operated by a lever which is within easy reach of the driver. At a slight additional cost this cart can be furnished with a large spigot in the barrel, retail price of cart, without spigot, \$75.00. Extra for Spigot, \$1.75.

AUSTIN STREET AND ROAD SPRINKLERS.

The Austin Sprinklers are conceded to be the best on the market. They are extensively used for sprinkling streets of cities and towns and on large country places and club grounds. Special catalogue and prices furnished on application.

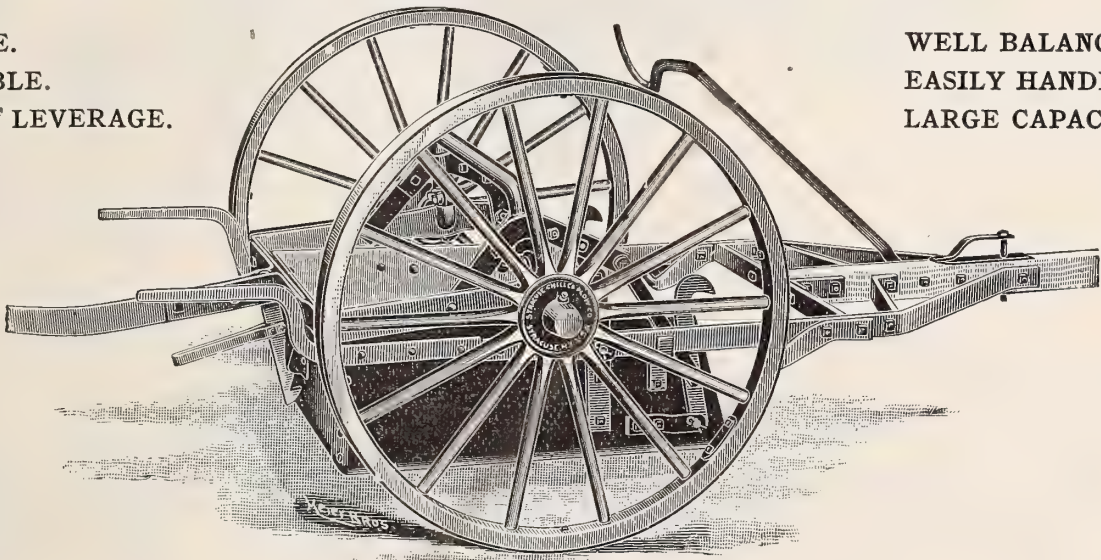


The Syracuse Wheel Scraper.

Not the lowest priced, but absolutely the best wheel scraper on the market. **Wheels.** Thoroughly seasoned spokes and rims and our new dirt proof iron hubs. **Axle.** One piece of special round steel and is arched high to give sufficient room for the load. **Tray.** Made of special steel, 3-16 thick, pressed cold, lapped and riveted at corners. **Bail.** Extra long and constructed so as not to come in contact with the load in raising the tray. **Draft Bars.** Very strong and form an efficient brace for the pole. Draft loops are hung on the under side and hold the hooks securely so that the scraper cannot dump in loading. **Draft Hooks.** Are hung on the side or the tray and are operated automatically by the axle braces so that when loading they will engage in draft loops.

SIMPLE.
DURABLE.
GREAT LEVERAGE.

WELL BALANCED.
EASILY HANDLED.
LARGE CAPACITY.



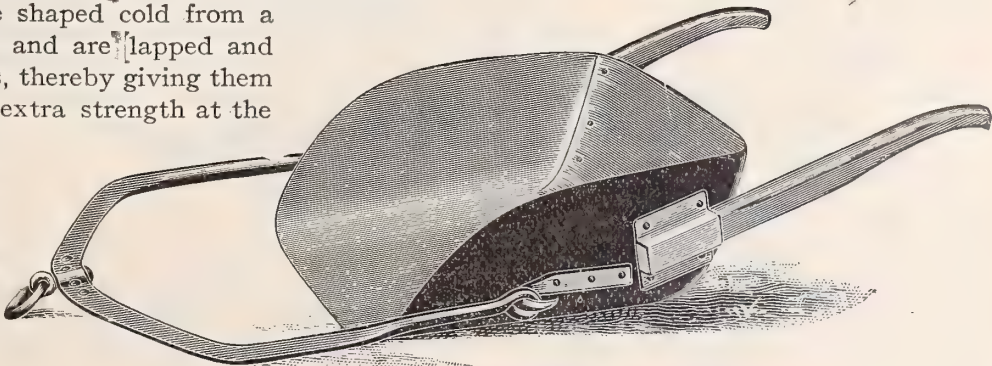
No.	Capacity.	Size of Tray.	Height of Wheels.	Tire.	Weight.	Price.
1,	10 cu. ft.	35 x35x11½ in.	36 in.	3 x5-16 in.	500 lbs.	\$40.00
2,	13 "	37 x38x13½ in.	40 in.	3 x5-16 in.	650 lbs.	45.00
3,	17 "	43½x40x15 in.	46 in.	3½x5-16 in.	800 lbs.	50.00

WHIFFLETREES AND NECK YOKE, EXTRA.

CIRCULARS AND PRICES OF LOWER PRICED WHEEL SCRAPERS ON APPLICATION.

THE CELEBRATED SYRACUSE DRAG SCRAPER. (The Contractor's Favorite.)

These scrapers are shaped cold from a single sheet of steel and are lapped and riveted at the corners, thereby giving them double thickness and extra strength at the point where it is most needed. Special steel is used in the bail. The steel in the trays and the runners on the bottom are heavy high carbon steel.



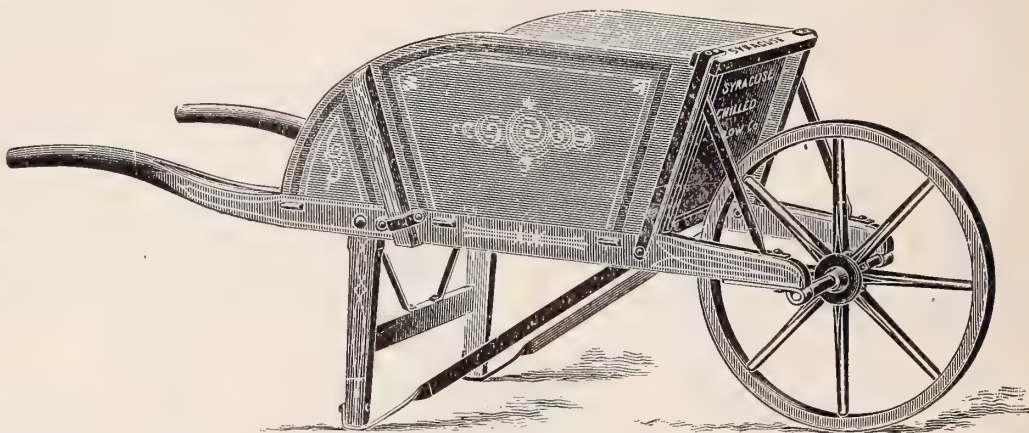
No.	Capacity.	Length.	Width.	Depth.	Weight.	Price.
3,	3 cu. ft.	30 in.	27½ in.	9 in.	85 lbs.	\$6.25
2,	5 "	31 in.	28 in.	10½ in.	95 lbs.	6.50
1,	7 "	33 in.	32 in.	11½ in.	105 lbs.	6.75

Special Prices to Contractors.

Garden Barrows.

The frame is made of well seasoned ash with three cross bars mortised into the handles. The bottom boards are set into the rear crossbar, which prevents splitting at the ends. Strongly braced throughout. Handles, legs and wheel are painted red, and sides and front olive; handsomely striped and ornamented. Very popular with our trade, because it is the best barrow on the market.

The wheels have a solid cast iron hub and revolve on a fixed axle. The spokes are made of seasoned hard wood, driven tightly into the hub 7-8 of an inch and dowed into the felloes. The felloes are dowed together at each joint and the tires are pinned on.



The spokes are wider at the hub than at the felloe, which side braces the wheel.

Inside Measurements of Box

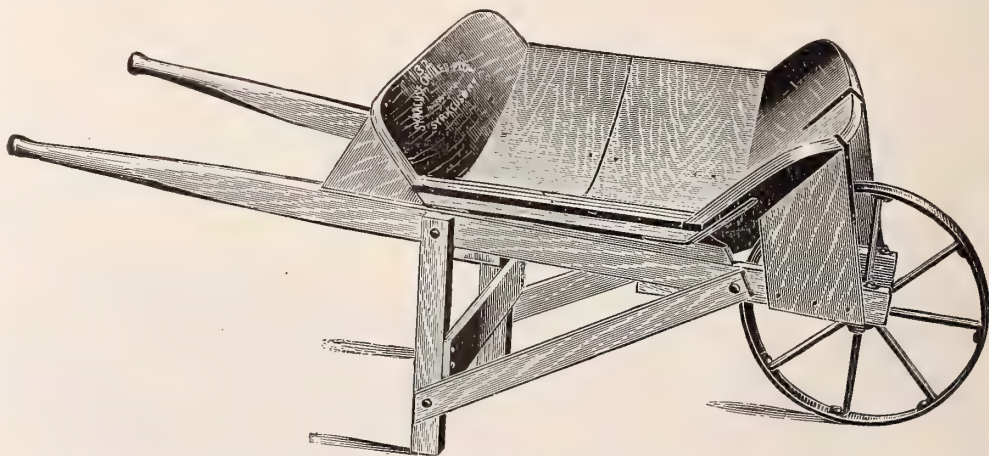
	Length.	Front.	Back.	Depth.	Wheel.	Weight.	Price.
No. 141, Medium.	24½ in.	19 in.	22 in.	12 in.	Wood, 20 in.	42 lbs.	\$3.75
No. 142, Large,	27 in.	21 in.	24 in.	13 in.	Wood, 20 in.	46 lbs.	4.00

OUR NUMBER 1 FARM BARROW.

Built of the best seasoned material, frame of hard wood. It is strong and roomy and is adapted for the use of farmers. Painted red. Size of bin, 30 in. long, 24 in. wide in front, 25 in. in back. Side boards 12 in. high, 30 in. long. Handles, 5½ ft. long, 2¼ x 1¼ in. Wheel, 21 in. diameter, 6 spokes; hub 3 in. diameter in center, 2 in. diameter at ends. Price, \$4.50.

RAILROAD OR CANAL BARROWS.

The parts of these barrows are bolted together. The tray is braced both front and rear and a wood cleat extends the full depth on front of tray to keep it from splitting. A wedge piece is put on handle under the tray, which levels it up and throws the load over the wheel. These Canal barrows readily displace all others wherever used. No. 122 with wood wheel \$2.00. No. 132 with steel wheel, \$2.25.



No. 120 Canal Bar-

row. A first class bolted barrow, having tray, braces and legs bolted together. All of our canal barrows have a 9-16 of an inch steel axle clipped underneath the handles in iron bearings, and the wheel revolves on the axle. Price, \$1.75.

COAL AND MORTAR BARROW.

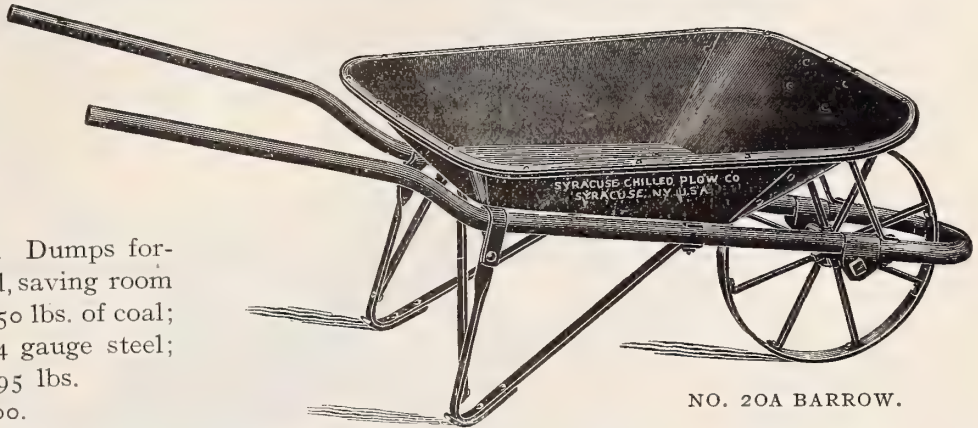
Strong in construction. The gear is the same style as the regular Canal Barrows, but instead of the open bowl as used on Canal Barrows, this barrow has a deep tray, ironed at the corners and of large capacity. They are designed for mortar, coal, shell, sand or broken stone. Price with wood wheel \$3.50; with steel wheel, \$3.75.

Prices Subject to Change without Notice.

STEEL TRAY, TUBULAR FRAME BARROWS.

All of these barrows are so constructed as to throw the weight well on the wheel. The legs are well braced and are provided with a steel shoe, which, when worn, can be readily replaced, saving the expense of a new leg; the legs are securely braced with steel braces and the tray is reinforced around the top edge. The frame extends around the wheel as shown in the cut, making an effective wheel guard. Taken as a whole, these barrows have more good points than any others.

No. 20 A. Capacity, 3 cubic ft.; tray 34x29 in. No. 16 gauge; diameter of wheel, 17 in.; weight, 78 lbs. Price, \$5.50.



NO. 20A BARROW.

No. 40 Coal Barrow. Dumps forward and stands on end, saving room in storage. Capacity, 150 lbs. of coal; tray 37x29 in., No. 14 gauge steel; wheel, 17 in.; weight, 95 lbs.

Price, \$8.00.

No. 42 Coal Barrow. Like the No. 40, but with a tray 38x30 in., capacity, 200 lbs. Price, \$9.00.

STEEL TRAY WOOD FRAME BARROWS.

No. 74. This barrow is very popular with street contractors for handling concrete and asphalt. Capacity, 4 cubic ft.; tray, 34x29 in., No. 16 gauge; wheel, 17 in.; weight, 62 lbs. Price, \$4.00.

NEW YORK PATTERN HALF-STRAPPED WAREHOUSE TRUCKS.

Made of the best hard wood with agricultural coach varnish finish. They are thoroughly bolted and all wheels have chilled bearings and run on steel axles. The nose irons and straps are of steel and the cross bars are mortised into the handle. They are well balanced, strong and durable.

No. 1,	50 in. handles,	22 in. wide at top,	7 in. wheels,	\$2.75
No. 2,	54 in. "	23 in. " " "	8 in. "	3.75
No. 3,	58 in. "	24 in. " " "	9 in. "	4.50
No. 4,	60 in. "	25½ in. " " "	10 in. "	5.50
No. 5,	63 in. "	26½ in. " " "	12 in. "	6.50

For full strapped trucks add to the above prices

For No. 1 and No. 2, 75c. For No. 3, \$1.00

For No. 4, \$1.50. For No. 5, \$1.00.

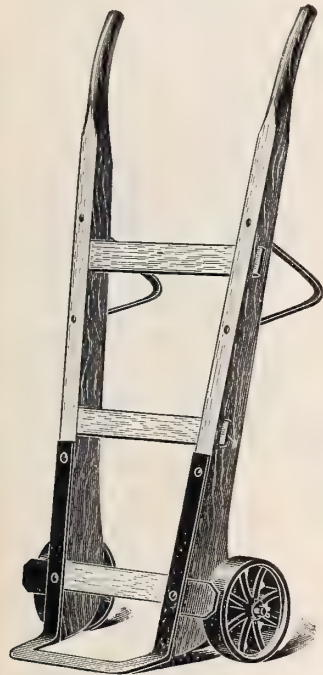
BENT HANDLE BAG TRUCK.

The bent Handle Bag Truck, as shown in cut, is one of the most useful trucks we know of.

They are well made of the best material, light and strong,

6 in. wheels, 42 in. handles.

Price, \$2.00.



HALF STRAPPED N.Y. TRUCK

N. Y. PATTERN FULL-STRAPPED BARREL TRUCKS.

No. 50A, 49 in. hdl's, 18 in. wide at top, 6 in. wheels, \$4.00

No. 50B, 54 " " 21 " " " 7 " " 5.25

No. 50C, 58 " " 22 " " " 8 " " 5.50

SPECIAL TRUCK CATALOGUE. Special catalogue of Freight, Baggage and Special Trucks sent on application.

BENT
HANDLE
BAG TRUCK.

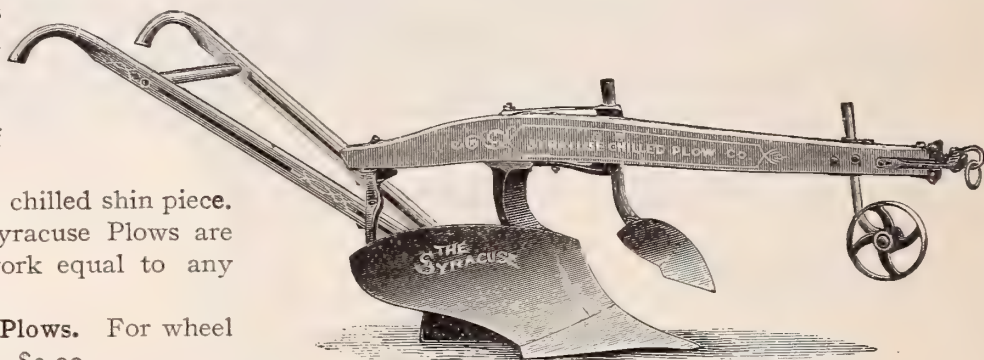
Special Prices to buyers of large quantities.

Syracuse Wood Beam Chilled Plows.

We show on this page illustrations of two of the leading series of the Syracuse Wood Beam Chilled Plow. These plows have chilled wearing parts, have sloping landsides and leave a clean open furrow. They are excellently adapted for general purpose work in all kinds of soil. These plows will do satisfactory work in hard ground when other makes fail. They are easily handled and the style of the beam, clevis, wheel and jointer is such that the adjustment is easy and accurate. The wheel and jointer standards are wrought steel and will never break. Note that there is plenty of room between jointer standard and plow standard so that there is no choking. The accompanying cut illustrates the fifty and ninety series which includes the numbers named below. They are the best known style of the wood beam plow. They have a separate chilled shin piece.

Remember that Syracuse Plows are guaranteed to do work equal to any plow on the market.

Price List of Plain Plows. For wheel add \$1.00; for jointer, \$2.00.



Right Hand.	Left Hand.	Size.	Furrow.	Weight.	Price.
No. 53		One or Two Horse	2-4 in. deep, 6-8 wide.	76 lbs.	\$ 8.00
" 54		Light Two Horse,	4 -6½ in. deep, 9-13 wide.	98 lbs.	9.00
" 55	No. 95	Medium Two Horse	4½-7 in. deep, 10-13 in. wide.	102 "	9.00
" 56A	" 96	Regular Two Horse,	5 -7½ in. deep, 11-14 wide.	115 "	9.50
" 57	" 97	Two or Three Horse	6 -9 in. deep, 13-16 in. wide	113 "	10.00

One Horse Syracuse Plows are illustrated and described on page 72.

The 500 and 600 Series. This is a later series of plows which have gained great popularity wherever introduced. It includes the numbers which are mentioned below. All the wearing parts are chilled and they have sloping landslide. The shin is one piece with the share, so that you have a new shin whenever you put on a new share. We believe that this series is destined to



become the most popular of all. They are a little lighter than those mentioned above.

Prices are for Plain Plows. For wheel add \$1.00; for jointer \$2.00.

Right Hand.	Left Hand.	Size.	Furrow.	Weight.	Price.
No. 601	No. 501	Large Two or Three Horse.	5½-8 deep, 12-16 wide.	127 lbs.	\$10.00
" 602	" 502	Medium Two Horse.	5 -7 deep, 11-14 wide.	110 "	9.50
" 603	" 503	Light Two Horse.	4½-6½ deep, 10-12 wide.	99 "	9.00

SOME SPECIAL POINTS OF MERIT ON SYRACUSE WOOD BEAM PLOWS.

All beams adjust at the back, making it less necessary to disturb the clevis. Double adjustment of clevis. Long center beam bolt and handles connected at the center of plow and handle cross bar extends out to brace mold board. Wrought steel wheel and jointer standards with an easy and accurate adjustment and which give plenty of room for the trash to feed away so that the plow will not choke. The best of material and superior chilling of the wearing parts. The result is **The best Plow on Earth.**

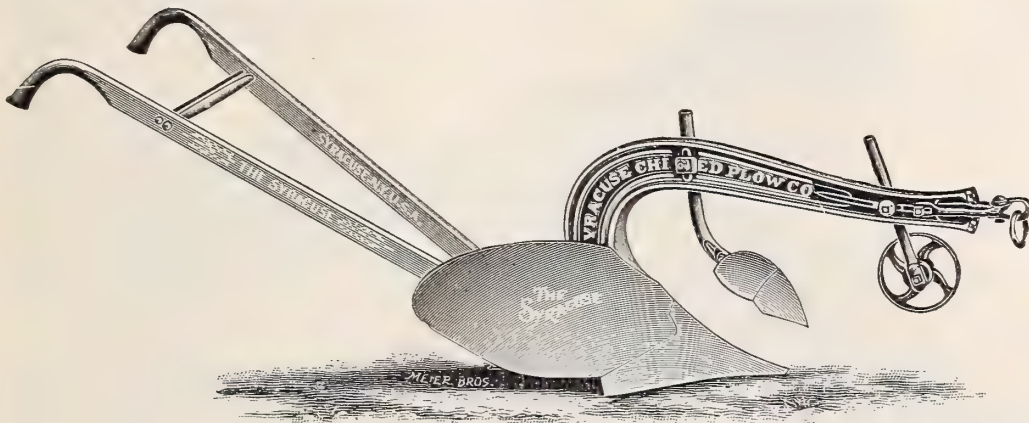
All Prices Subject to Change without Notice.

Syracuse Iron Beam Chilled Plows.

This style of plow is unequal for hard and stony ground and will stay in the ground where all others fail. The wearing parts are all of the best chilled iron, the jointer and wheel standards are steel. The jointers will not clog in the rankest growth or thickest trash. These plows are heavier in weight than the wood beam, but they are preferred by a great many of our best plowmen on account of their strength the steadiness with which they run in hard and stony ground and the severe work they are capable of doing. The beam and standard of this style are in one piece, insuring solidity and the beams are

carefully set for correct plowing. The plows can also be nicely adjusted both ways at the clevis. When you buy the Syracuse, you buy the Best.

Prices are for Plain Plows. For Wheels add \$1.00; for jointers \$2.00.



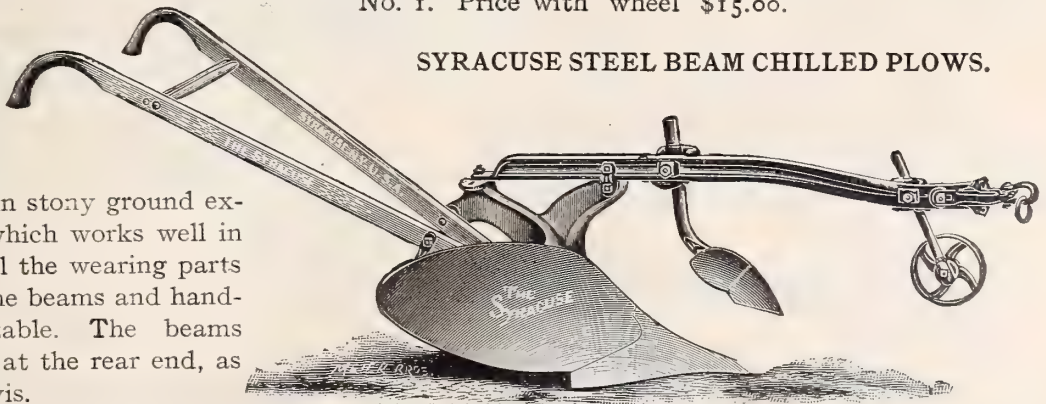
No.	Size.	Furrow.	Weight.	Price.
No. 3-78	Right Hand Light Two Horse	4-6 in. deep, 9-12 in. wide.	112 lbs.	\$ 9.00
" 2-78	" " Medium Two Horse	5-7½ " 10-13 "	130 "	9.50
" 1-78	" " Large Two Horse	5-8 " 12-15 "	142 "	10.00
" 10-78	" " Three Horse	6-9½ " 14-16 "	167 "	12.00
" 20-78	Left Hand Medium Two Horse	5-8 " 11-14 "	136 "	10.00
" 30-78	" " Three Horse	6-9½ " 14-16 "	172 "	12.00

No. 1-78 Heavy or Contractors' Plow. Similar to the No. 1-78 except that the wearing parts and beam are heavier and it has two heavy iron braces running from the curve of the beam to the handles. This is an excellent plow for general grading purposes. It turns the same furrow as the regular No. 1. Price with wheel \$15.00.

This cut illustrates the style of all the numbers mentioned below. They are well

adapted for use in stony ground except the No. 7 which works well in light ground. All the wearing parts are chilled and the beams and handles are adjustable. The beams being adjustable at the rear end, as well as at the clevis.

SYRACUSE STEEL BEAM CHILLED PLOWS.



PRICE LIST OF PLAIN PLOWS. For Wheels add \$1.00 for Jointers \$2.00

No.	Size.	Furrow.	Weight.	Price.
No. 7,	Right Hand Medium Two Horse	5-7 in. deep 9-12 in. wide	130 lbs.	\$11.50
" 8,	" " Two or Three Horse	5-8 " 12-15 "	145 "	11.50
" 15,	" " Three Horse	6-10 " 14-17 "	170 "	13.00
" 22,	Left Hand Medium Two Horse	5-8 " 11-14 "	132 "	11.50
" 21,	" " Two or Three Horse	5-8 " 12-15 "	136 "	11.50
" 35,	" " Three Horse	6-10 " 14-17 "	170 "	13.00

THE "SYRACUSE" WILL GIVE YOU MORE SATISFACTION THAN ANY OTHER PLOW MADE.

We Carry a Full Line of Repairs for above Plows.

Syracuse One-Horse Chilled Plows.



These plows are constructed on the same principle as the two-horse plows. They have chilled wearing parts, sloping landsides, adjustable beam and clevis and are strong in construction. They are well adapted for general purpose work in light soils and leave a clean open furrow.

PRICE LIST OF PLAIN PLOWS.

	Size.	Furrow.	Weight.	Price.
No. 44 Right Hand.	Very Light One-Horse.	2-4 in. deep, 6-8 in. wide;	44 lbs.	\$4.50
No. 50L " "	Light One-Horse.	2-4 " " 7-9 " "	59 "	5.25
No. 51L " "	Medium One-Horse.	2-5 " " 8-10 " "	65 "	6.25
No. 52L " "	Large One-Horse.	3-5½ " " 9-11 " "	73 "	7.25

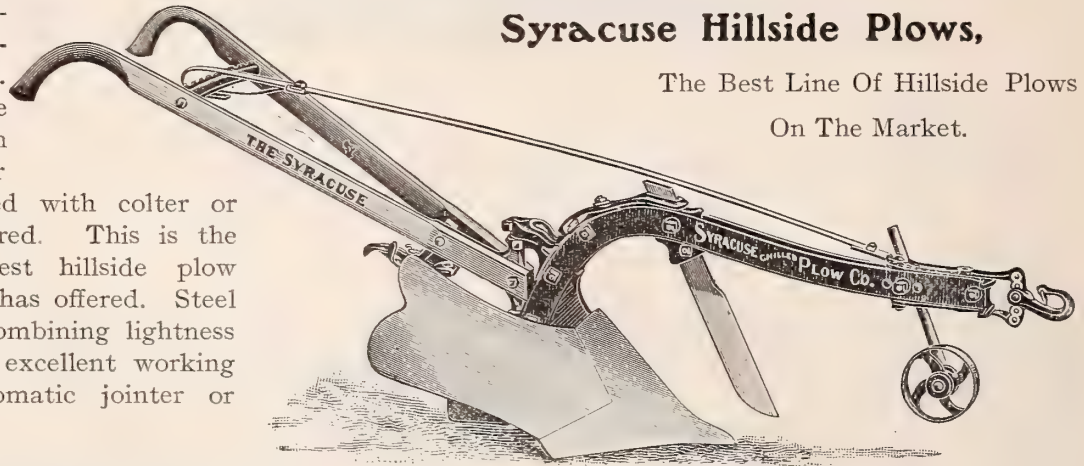
FOR TWO-HORSE PLOWS SEE PAGES 70 and 71

The accompanying cut illustrates the No. 812 Hillside Plow with straight colter

It is furnished with colter or jointer as desired. This is the latest and best hillside plow the Company has offered. Steel truss beam, combining lightness and strength, excellent working qualities, automatic jointer or colter.

Syracuse Hillside Plows,

The Best Line Of Hillside Plows
On The Market.

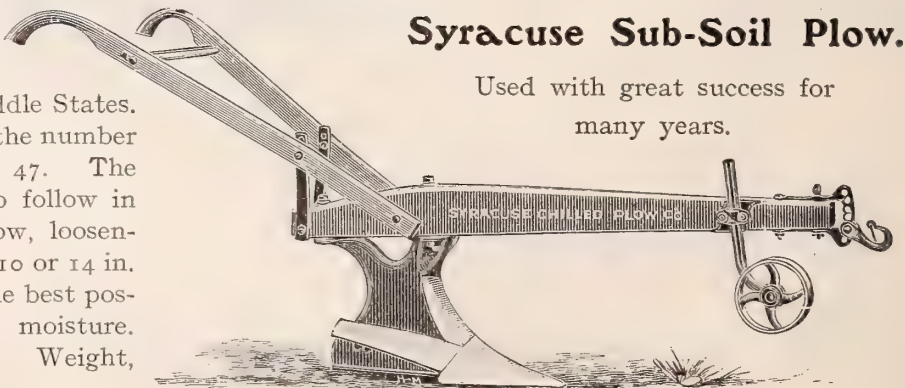


PRICE LIST OF PLAIN PLOWS. FOR WHEEL add \$1.00: FOR JOINTER add \$2.00.

	Size.	Furrow.	Weight.	Price.
No. 812, Medium Two-Horse.	Steel Truss Beam.	4-7 in. deep. 10-14 in. wide.	145 lbs.	\$12.50
No. 6L, Two-Horse.	" " "	4-6½ " " 10-13 " "	145 "	12.50
No. 26, Light Two-Horse.	Wood Beam.	4-6 " " 8-10 " "	100 "	8.50
No. 36, One-Horse.	" "	3-5 " " 7-8 " "	77 "	6.75
No. 46, Small One-Horse.	" "	2-4 " " 5-6 " "	40 "	4.25

The No. 812 is the only size that has automatic jointer. Nos. 36 and 46 cannot be fitted with jointer.

The No. 48 Syracuse Sub-soil Plow, as illustrated by this cut, is the most approved pattern for the Eastern and Middle States. It is made also in left hand, the number of the left hand plow being 47. The sub-soil plow is intended to follow in furrow of ordinary field plow, loosening up the soil to a depth of 10 or 14 in. and leaving the ground in the best possible condition to retain moisture. Price with wheel, \$10.50. Weight, 100 lbs.



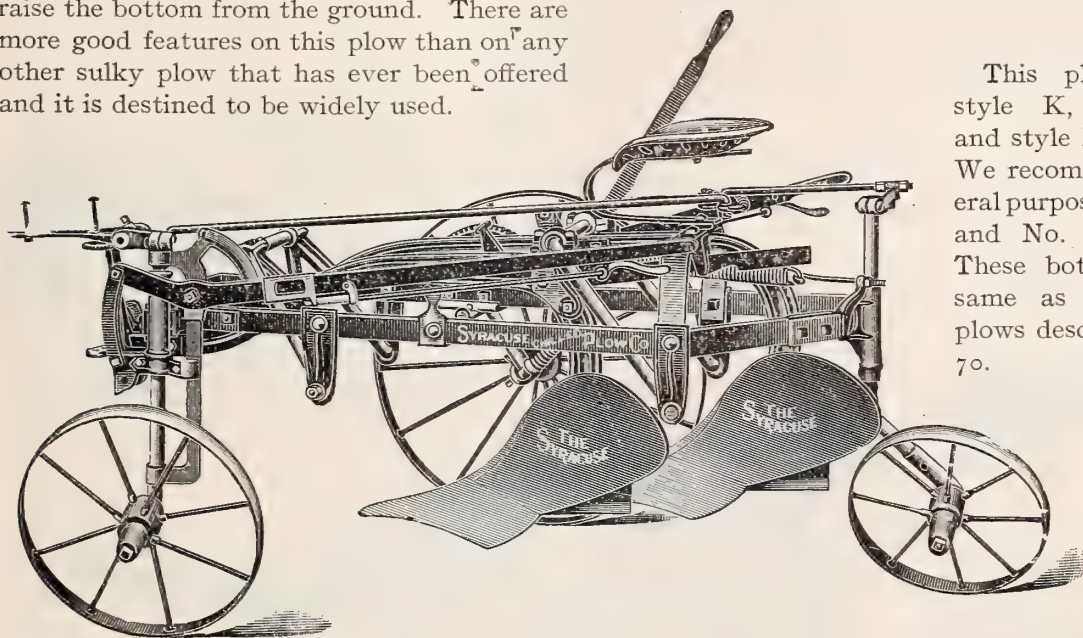
Syracuse Sub-Soil Plow.

Used with great success for
many years.

We carry a full line of repairs for above plows, also, for other makes.

Syracuse High Lift Gang Sulky Plow.

This plow is the result of long and careful experimenting and each part has been thoroughly tested and tried. It is very strong in construction, very well balanced and most convenient to operate. The lifting device is simply perfect, the weight of the plow being counterbalanced by the heavy coil spring shown in the cut, so that it requires a very slight pressure upon the lever at the left to raise the bottom from the ground. There are more good features on this plow than on any other sulky plow that has ever been offered and it is destined to be widely used.



This plow is made style K, right hand, and style L, left hand. We recommend for general purposes, the No. 602 and No. 502 bottoms. These bottoms are the same as used on the plows described on page 70.

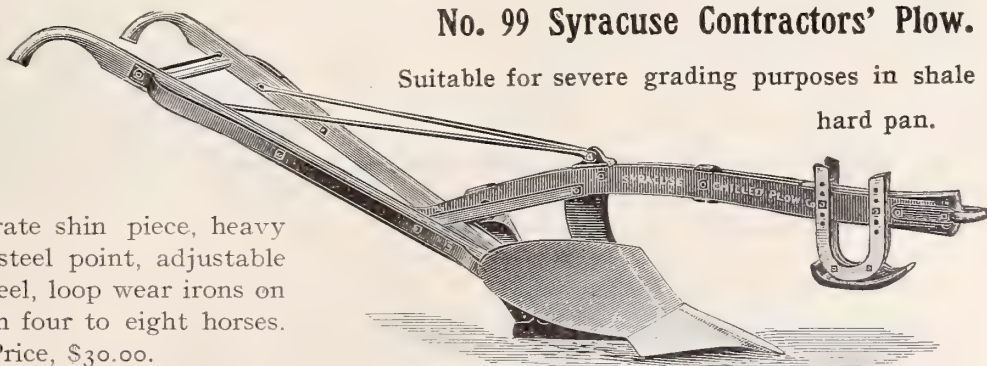
PRICE LIST OF HIGH LIFT GANG PLOWS WITH JOINTERS.

With 601 Right Hand or	602 Left Hand,	Chilled Bottoms,	14 in. furrow,	\$72.50
" 602	" " " " 502	" " " "	12 " "	70.00

If jointers are not wanted, deduct \$4.00; if Rolling Colters are wanted instead of Jointers, add \$3.00; if Four-Horse Evener is wanted, add \$5.00.

Solid Comfort Single Sulky Plow. We have sold this plow for several years and it has given our trade great satisfaction. Price with 14-in. chilled bottom, jointer and three-horse evener, \$45.00. If three-horse evener is not wanted, deduct \$3.00.

The No. 99 plow is very strongly built, has slight turning capacity, steel truss beam, steel moldboard and landside, separate shin piece, heavy overlaid wrought steel point, adjustable shoe in place of wheel, loop wear irons on handles. Used with four to eight horses. Weight, 310 lbs. Price, \$30.00.



No. 99 Syracuse Contractors' Plow.

Suitable for severe grading purposes in shale or hard pan.

Syracuse Pavement Plow.

The No. 98 Syracuse Pavement Plow has adjustable, reversible bar steel point, adjustable shoe in place of wheel, loop wear irons on handle, strongly built throughout. Especially adapted for tearing up cobble stones or McAdam pavements. Used with four or six horses. Weight, 263 lbs.

Price, \$25.00.

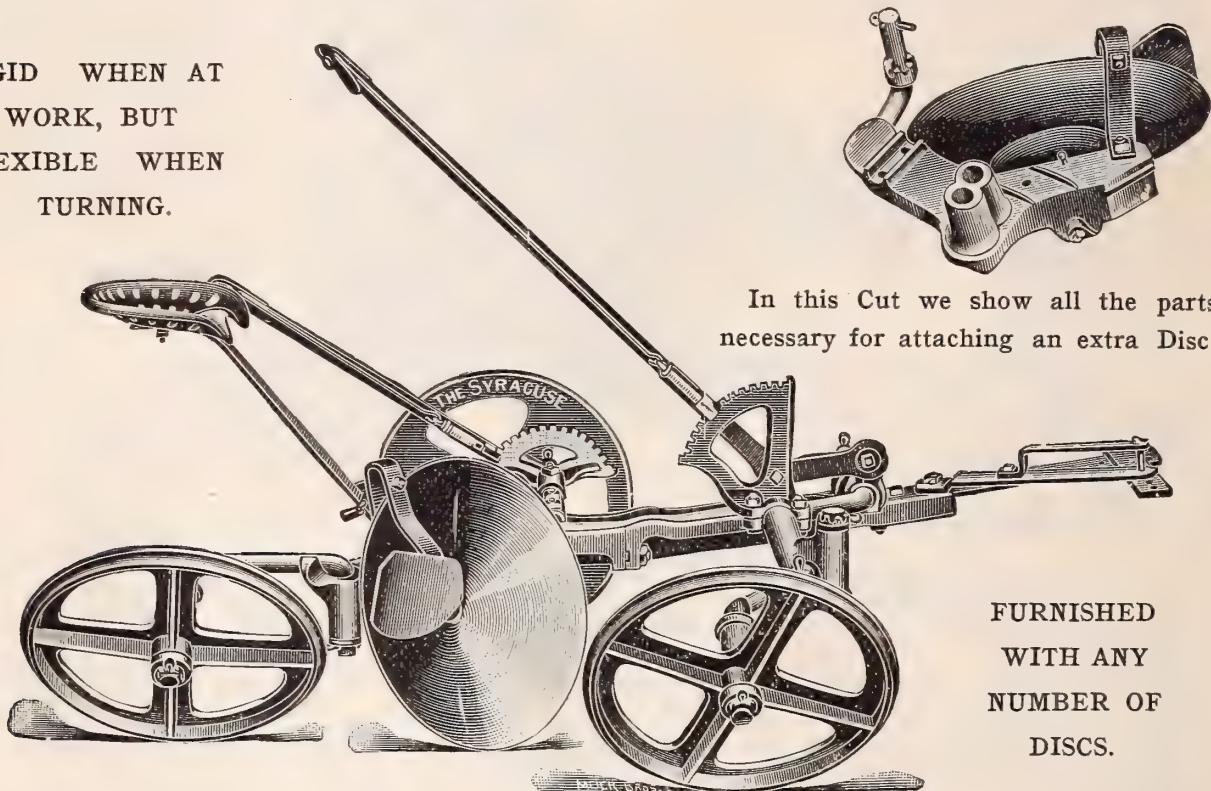
No. 1 Contractors' Plow. This plow is somewhat similar to the regular No. 1-78 and is described more fully on Page 71. Price with wheel, \$15.00.

Special prices to buyers of large quantities,

Syracuse Disc Plow.

The Syracuse Disc Plow combines two essential features not heretofore recognized in disc plow construction and without which no riding plow can ever hope to be a lasting success. It is perfectly rigid when plowing and flexible when being turned. A disc plow will not do uniform work when used on ordinary and soft ground, if all of the parts are not held rigidly together at the joints. In turning particularly in gangs, the frame must have flexible connections in order to prevent frequent upsets. The Syracuse is the only disc plow that combines the two highly important features.

**RIGID WHEN AT
WORK, BUT
FLEXIBLE WHEN
TURNING.**



In this Cut we show all the parts necessary for attaching an extra Disc.

**FURNISHED
WITH ANY
NUMBER OF
DISCS.**

The cut shows the Single Disc Plow. The upper illustration shows an extra disc and attachment by means of which the single disc plow can be converted to a double plow. In the same manner a three or a four gang plow may be made simply by adding the extra disc. Each disc is supported by a frame which is a duplicate of the other, with the exception of the one in front; the disc is held within a detachable chilled box protectd from dust and made to hold oil, preventing waste and wear. Each frame is connected to the other by a hinged joint, which saves strain on the horses and plow in turning corners and greatly lightens draft. Being made with a double pivotal connection to each frame, the plow is adjustable to different widths of furrow without taking out bolts or the use of extra parts; the front furrow wheel axle is adjustable and assists in making this change. As the front furrow wheel casters automatically in turning, the plow turns freely in either direction, while the wheels are held in the furrow by the draft of the machine. The rear furrow wheel is held by an adjustable block and can be raised or lowered; all wear in the diameter of the discs can, in this way, be taken up. The levers are long and placed, not only with a view to convenience in operation, but also for efficiency. The scraper fits the disc perfectly at all points in the adjustment, so that the ground is turned equally as well whether plowing shallow or deep furrows; the peculiar shape of this scraper pulverizes the ground thoroughly, as the furrow sare turned, which makes the Syracuse Disc Plow superior to all others for covering trash.

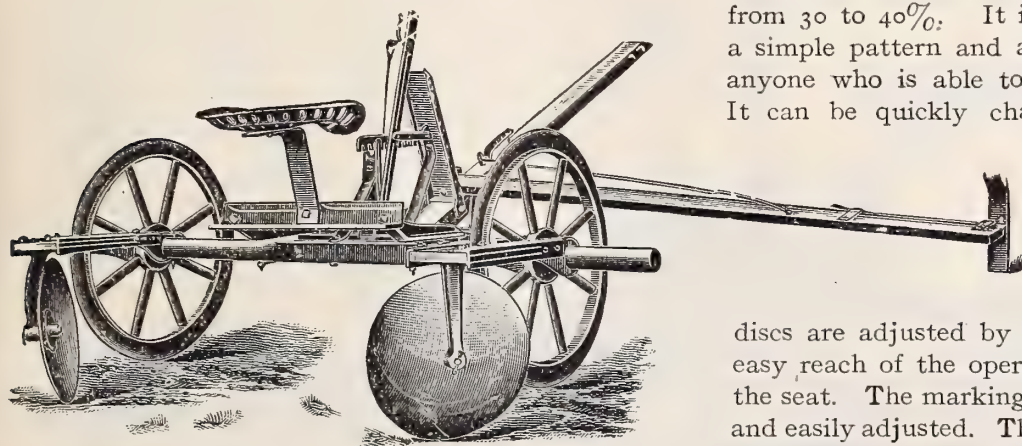
There is not a plow on the market that possesses as many good points as this one. **In General Excellence the Syracuse is Ahead of All Others.**

Price of Single Disc Plow.....\$40.00.
Extra Disc Complete With Attachments.....12.50.

We Repair Farm Machinery.

The Haines Row Marker, Furrower and Coverer.

The Improved Haines Marker has many points of excellence not found in other machines for marking and covering. It is very light draft for team, easily controlled and very quickly changed from marking to covering. It is not necessary for the driver to dismount at the end of the row to lift the marker into position and the depth of furrow can be adjusted while the team is in motion.



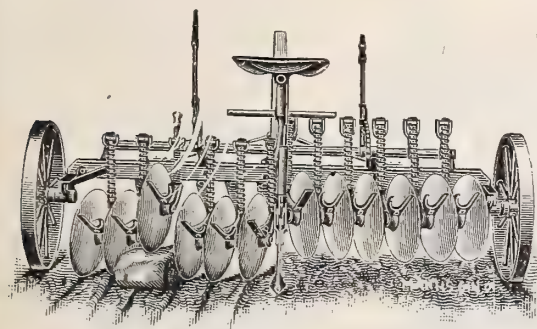
Being on wheels the draft is reduced from 30 to 40%. It is constructed after a simple pattern and can be operated by anyone who is able to control the team. It can be quickly changed for different

width rows. The furrows are opened by a 16" steel disc, having a steel axle well protected from sand. The

discs are adjusted by a lever which is in easy reach of the operator while he is on the seat. The marking pole is very simple and easily adjusted. The machine has good spring seat, and is equipped with double trees and neck yoke. Price complete, \$25.00.

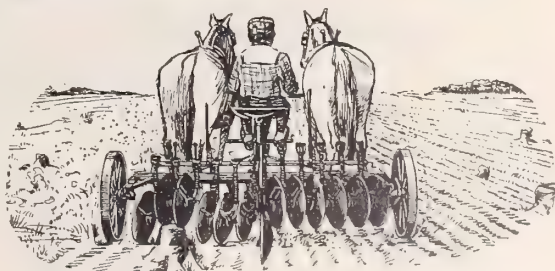
The Superior Disc Harrow on Wheels.

We give below two illustrations of the Superior Disc Harrow on Wheels, which give a very good idea of the general construction of this harrow, and show how, on account of the independent action of each individual disc, the harrow can be operated in fields where there are obstructions and only the disc or discs which strike the obstruction are lifted from the ground. On this account the work is done thoroughly, there being no uncut spots left and the work or harrowing is not dangerous for the driver. The Superior Disc Harrow rides on wheels and is very easy to manage, and can be transported from place to place. It is practically a solid steel harrow, having heavy steel frame, steel seat and steel wheels. Everything possible is made of steel, workmanship is the very



best, and every harrow is carefully inspected and tested before it leaves the factory. The angle of the discs never changes; this makes light draft and insures the best work. Special dirt-proof bearings, lubricated by hard oil compression cups; one filling of cups is sufficient for one-hundred acres. Equipped with sod deflectors which prevent pieces of sod being carried up by the discs. Stone boxes are not needed on this harrow, as the pressure of the discs is assured by strong springs. On account of the discs being hung independently, ridges, hollows and every available foot of space is cultivated.

Superior Disc Harrows are furnished with center-cut discs, with center-cut springs trip shovel or without either. This harrow does more work than any other and it does better work. It is easy on both man and team. Try the Superior Harrow side by side with the best disc harrow of other makes that you know of, contrast the construction and we are satisfied that you will decide in favor of the Superior. All discs are 16 in. in diameter.



PRICES.

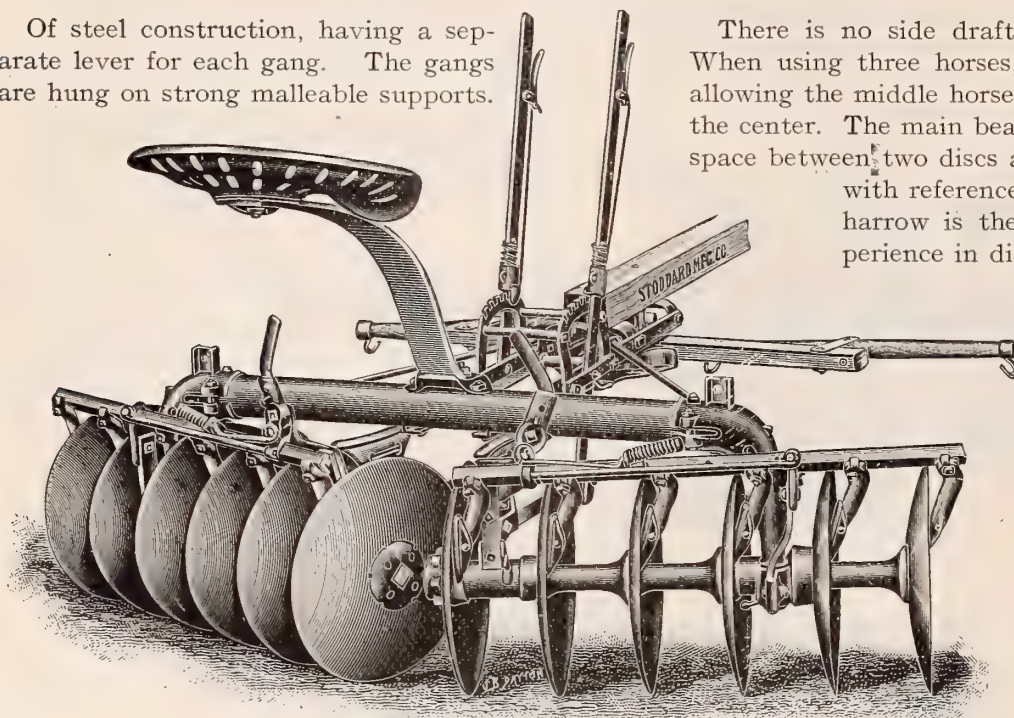
With 8 discs for 2 horses.....\$37.00.
 " 10 " " 2 "40.00.
 " 12 " " 3 "42.50.

With 14 discs for 4 horses.....\$47.00.
 " 16 " " 4 "50.00.
 " 18 " " 4 "53.00.

Prices Subject to Change Without Notice.

The Tiger "Style B" Disc Harrow.

Of steel construction, having a separate lever for each gang. The gangs are hung on strong malleable supports.



There is no side draft with this harrow. When using three horses, the pole is offset, allowing the middle horse to walk directly in the center. The main bearings occupy all the space between two discs and are constructed with reference to long life. This harrow is the result of long experience in disc harrow construction; the material is the best and we are sure it will be found a satisfactory tool.

PRICES.

With 8-16" discs
2 h. hitch, \$20.00.

With 10-16" discs
2 h. hitch, \$22.50

With 12-16" discs.
3 h. hitch, \$25.00.

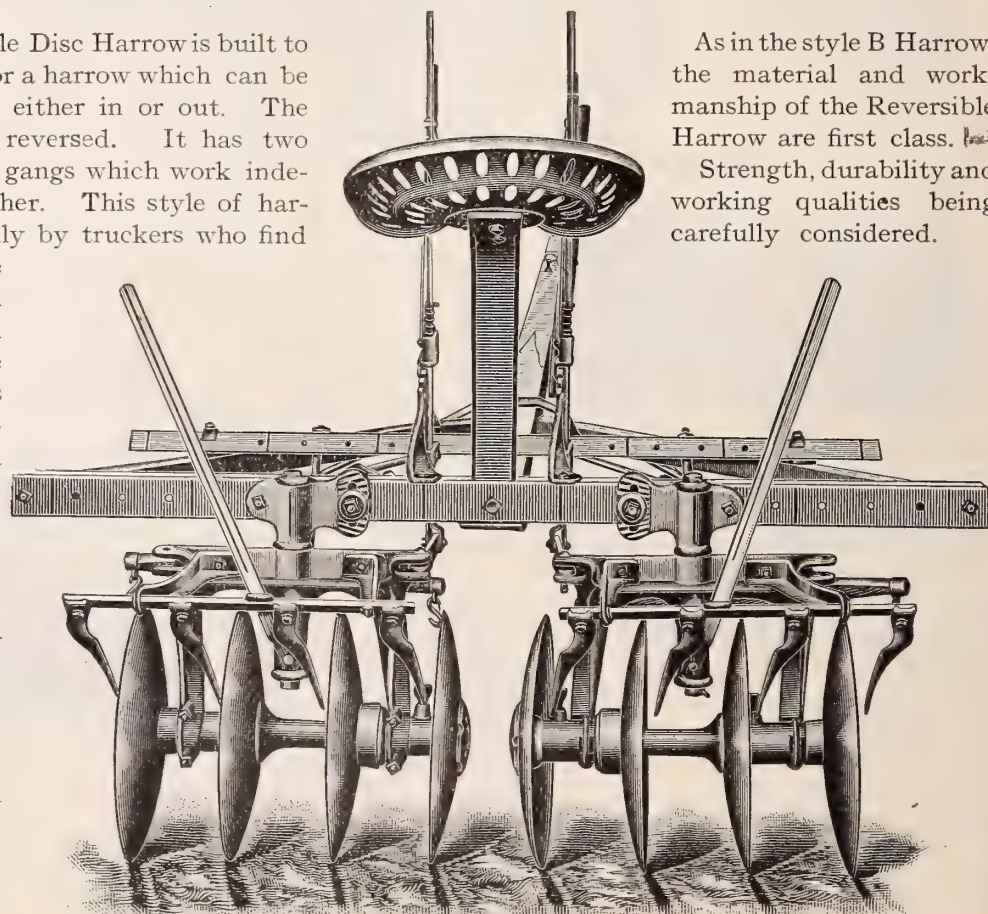
The Tiger Reversible Disc Harrow.

The Tiger Reversible Disc Harrow is built to supply the demand for a harrow which can be used to throw earth either in or out. The gangs can be easily reversed. It has two levers to operate the gangs which work independently of each other. This style of harrow is used principally by truckers who find it a very valuable tool. It is made in two sizes, with 8 and with 10 discs, the discs on both sizes being 16 in. in diameter. The prices given below, include double trees and neck yoke.

PRICES.

Eight disc harrow
\$22.50.

Ten disc harrow
\$25.00.



As in the style B Harrow, the material and workmanship of the Reversible Harrow are first class. Strength, durability and working qualities being carefully considered.

We Repair Farm
Machinery.

Syracuse Lever Spring Tooth Harrow.

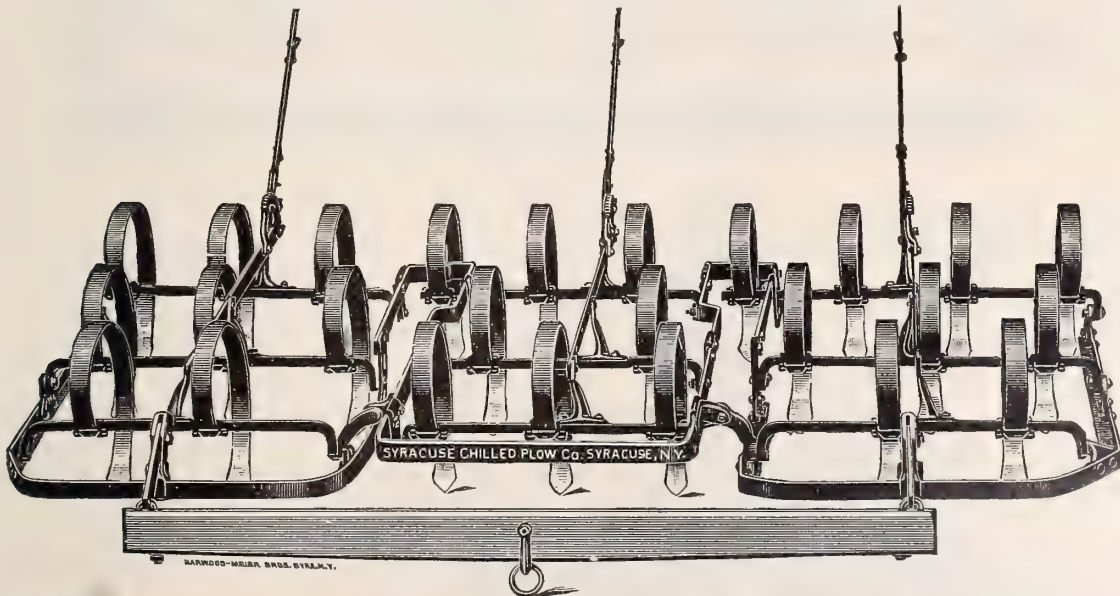
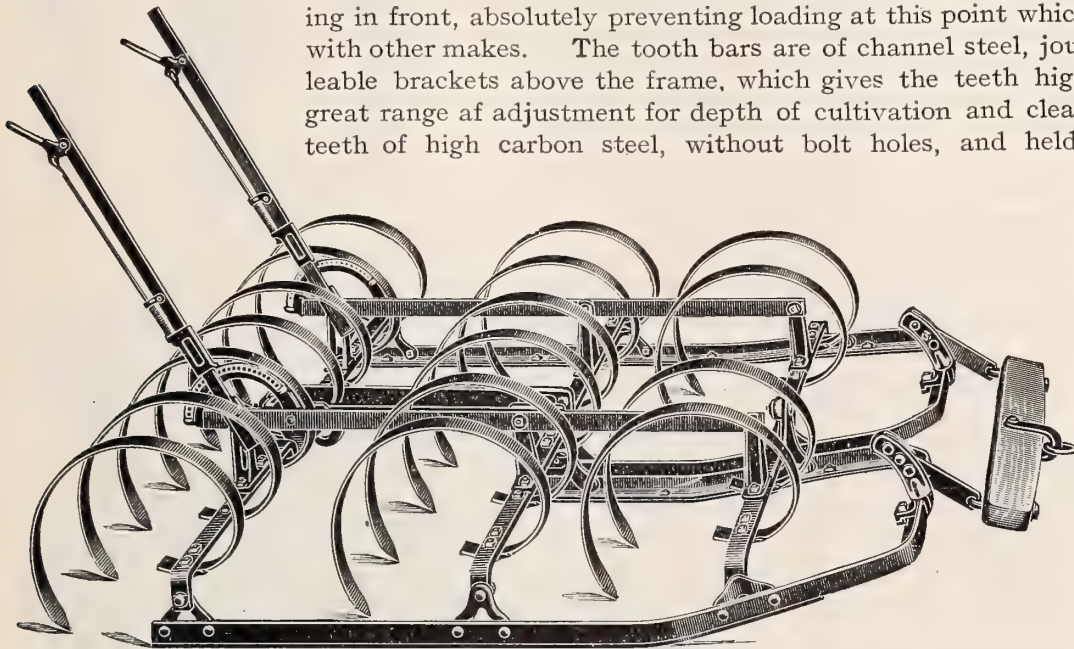
THE BEST WORKING, BEST IN CONSTRUCTION AND BEST WEARING HARROW MADE.

The frame bars of angle steel thoroughly protected by steel shoes which double the life of the harrow. Inside frame bars raised at the end, giving free outlet to trash. Frame with small opening in front, absolutely preventing loading at this point which is so common with other makes. The tooth bars are of channel steel, journaled in malleable brackets above the frame, which gives the teeth high support and great range of adjustment for depth of cultivation and clearance. Spring teeth of high carbon steel, without bolt holes, and held by malleable

holders, allowing for separate adjustment when worn.

By use of the levers the teeth can be readily set deep or shallow, or can be thrown out of the ground to clear of trash and for dragging harrow

from one place to another. Central and direct draft without side motion; adjustable hitch so that the teeth at the front and rear can be regulated to work at the same depth. No spring tooth harrow made is giving such universal satisfaction.



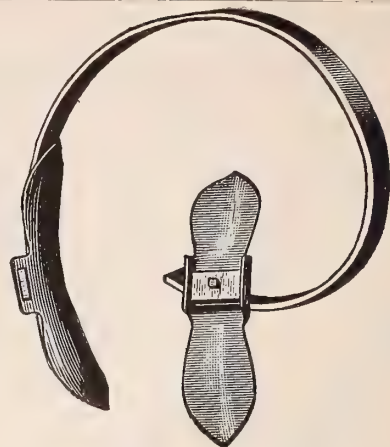
The above cut illustrates the Syracuse Three-Section Lever Harrow which is made by using an eight tooth center section in connection with either 15 or 17 tooth harrow, which makes an admirable 23 or 25 tooth harrow. Being made in three sections which are connected flexibly, it conforms readily to uneven ground and does thorough work. A harrow of this kind can be used either with or without the center section, thus it is really a two and a three or four horse harrow combined in one.

17 tooth harrow with plain teeth.....	\$17.00.	15 tooth harrow with plain teeth.....	\$15.00.
17 tooth harrow with separate points....	17.50.	15 tooth harrow with separate points..	15.50.
8 tooth center section with plain teeth, \$8.00; with separate points, \$8.50.			

All Prices Subject to Change Without Notice.

Michigan Reversible Harrow Point.

The Michigan Harrow Point will fit any style or make of tooth. It is reversible and will wear twice as long as a tooth at one-third the cost. We introduced this point to our trade several years ago and it has proved generally satisfactory. They are nicely shaped and a harrow equipped with them does excellent work; besides this, they are very economical. They attach to the tooth in a simple and positive manner. Price each, 17c.



Syracuse Reversible Harrow Points. These points are largely used on Syracuse Spring Tooth Harrows. They bolt on and can only be used on teeth which originally had separate points. Price each with bolts, 12c.

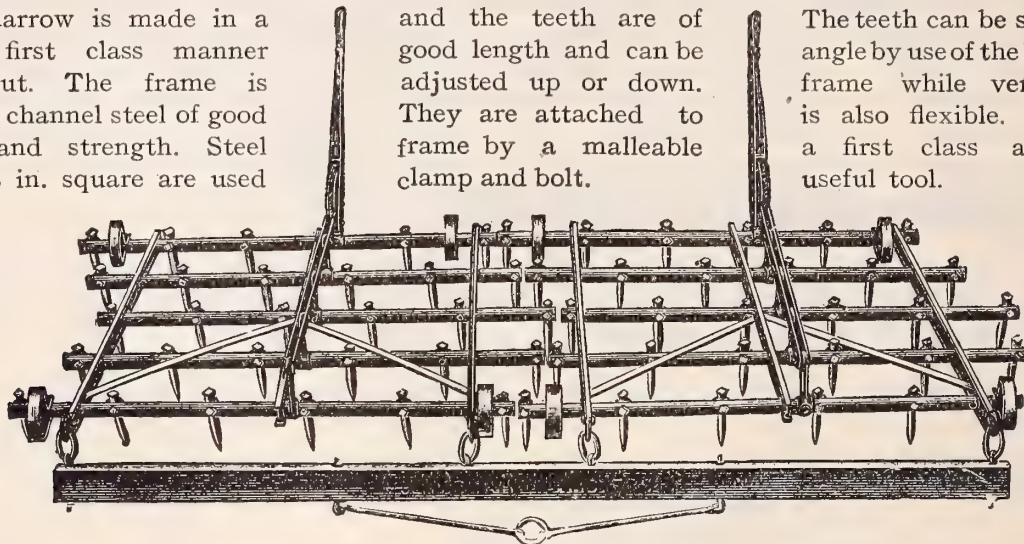
Spring Harrow Teeth. Syracuse Spring teeth with plain points, 40c. each; with separate reversible points, 50c. each. Plain Spring teeth for other leading makes of harrows, 40 c. each.

STEEL U BAR FRAME SPIKE TOOTH LEVER HARROW.

This harrow is made in a strictly first class manner throughout. The frame is of U Bar channel steel of good weight and strength. Steel teeth 5-8 in. square are used

and the teeth are of good length and can be adjusted up or down. They are attached to frame by a malleable clamp and bolt.

The teeth can be set at any angle by use of the lever. The frame while very strong is also flexible. This is a first class and very useful tool.



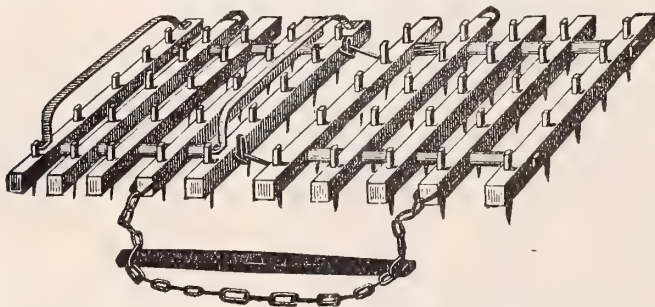
Two-section U Bar Harrow with 50 5-8 in. teeth.....\$11.50
Two-section U Bar Harrow with 60 5-8 in. teeth..... 12.50

PERRY WOOD FRAME SPRING TOOTH HARROW.

The frames are iron shod. This style of harrow is desirable on account of the way it crushes clods. Prices, 16 tooth, \$10.00; 18 tooth, \$10.75; 20 tooth, \$11.50; 22 tooth, 12.25

GARDENER'S WOOD FRAME SPIKE TOOTH HARROW.

A strong wood frame harrow having 24 5-8 square steel teeth and with runners on the back so that it can be moved handily. This is a very popular harrow with market gardeners. Price, \$5.00.



DOUBLE HINGE HARROW.

A two-section wood frame harrow having 40 5-8 in. square teeth. This harrow also has runners to make transportation easy. Price, \$8.50.

Spike Harrow Teeth Square steel teeth all sizes per pound 5c.

The Aspinwall Potato Planter.

The Aspinwall Potato Planter is a boon to the farmer from the fact that with only a team and driver, the work required is easily done. The machine being automatic and accurate, does not require an extra man to operate or correct the feeding mechanism, which means a great deal in the saving of time and wages, especially as satisfactory hired help is difficult to obtain in many sections of the country. The Aspinwall Planter is simple and it is not necessary to spend several weeks in careful practice to become skilled in operating it; it marks the row, opens the furrow, and covers the seed any way desired, in one operation; it deposits the seed uniformly at desired depth from three to nine inches. The Aspinwall Planter will plant from five to nine acres per day with one man and team and it works satisfactorily on hillsides, stony ground, bottom land or clover sod. It deposits the seed in a perfectly straight furrow at any desired distance from ten to twenty-six inches and covers it with moist earth, insuring a good start. The Aspinwall Planter accomplishes the work of

ten men and pays for itself in a single season on a moderate acreage.

The Aspinwall Planter does not injure the seed, pack the soil, nor plant irregularly. It does not require two persons to operate, nor leave the last seed in the row uncovered. The seed is kept separate from the fertilizer and on hillsides it is not spilled out of the hopper. It is a durable machine and will not wear out in one or two seasons. It is not heavy or clumsy, is easy on the team and operator. It is the machine for you to buy.

The Aspinwall Planter is furnished with disc coverers and with or without fertilizer attachment.

Runner Coverers can be furnished if desired. The fertilizer attachment is a decided success. The flow of fertilizer is in view of the operator and under perfect control by him. Can be regulated to sow any quantity, from the smallest amount up to 2500 lbs. per acre.

THE ASPINWALL IS, AND HAS ALWAYS BEEN, KING OF POTATO PLANTERS.

PRICES OF ASPINWALL POTATO PLANTERS.

Plain Planters with disc coverers.....	\$60.00.
Planter with fertilizer attachment and disc coverers.....	70.00.
Corn planter attachment	7.50.

The Aspinwall Potato Cutter.

This machine materially lessens the labor of preparing seed for planting, and enables it to be put in the ground promptly, which is conceded to be the safest method. Furthermore, all danger of careless work or cut and bleeding fingers is eliminated. This machine is more accurate than hand work, cuts more uniformly, and is very much more rapid, as it will do the work of from eight to ten persons. It is a most profitable investment. \$7.50



SHOWING ASPINWALL
POTATO CUTTER IN
OPERATION.

"Success Jr." Improved Potato Digger.

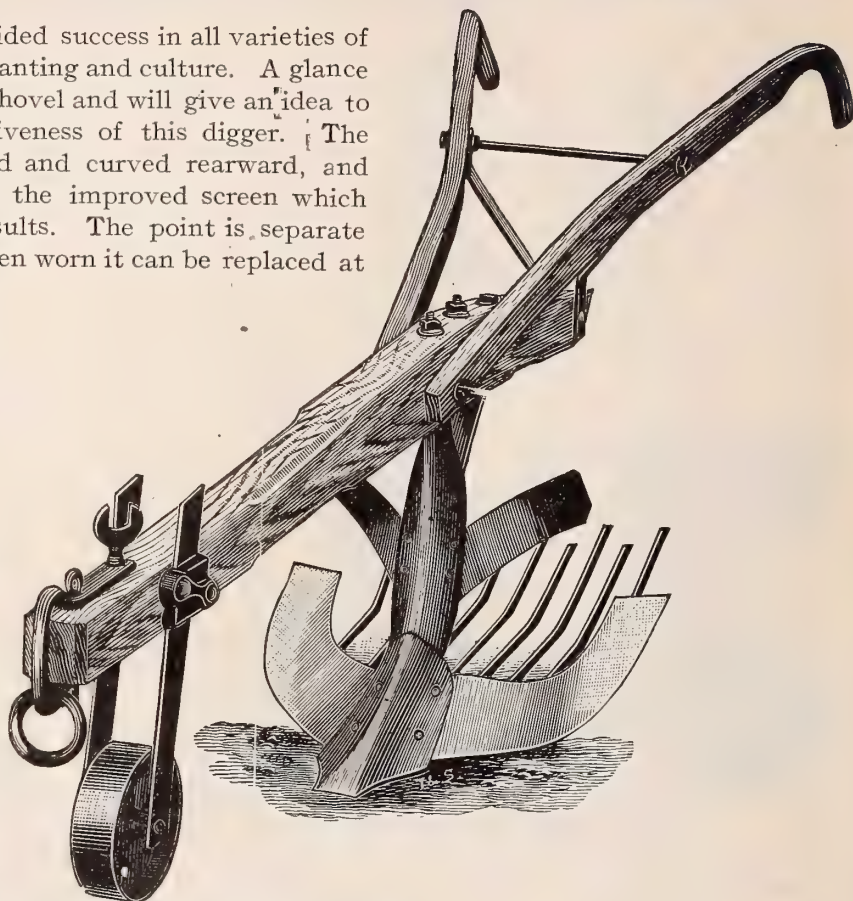
This Digger has proved a decided success in all varieties of soil and with every method of planting and culture. A glance at the cut shows the improved shovel and will give an idea to practical persons of the effectiveness of this digger. The wings of the shovel are elevated and curved rearward, and they work in conjunction with the improved screen which is constructed to give best results. The point is separate from the main shovel so that when worn it can be replaced at small cost. We have had a most satisfactory trade on this tool, and the reports we receive from it convinces us that it is a decided success.

Price, \$10.00.

THE "GILT EDGE"

POTATO DIGGER.

This Digger is intended for larger growers. The factory is now working on some improvements in this digger and we are unable to publish an illustration of it as it will be offered to the trade for the coming season. The "Gilt Edge" Digger we will have a machine that will give great satisfaction, and we solicit correspondence in regard it.

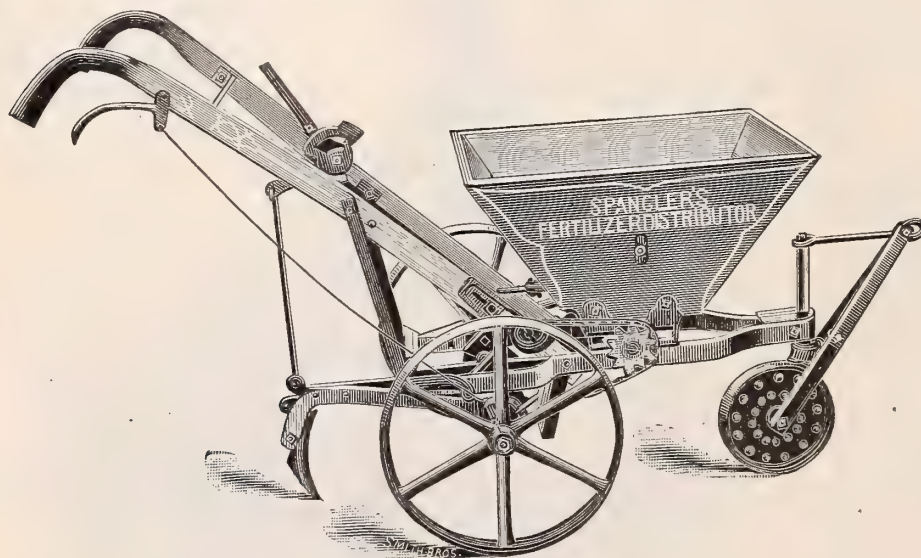


ASPINWALL POTATO SORTER.

Sorts potatoes in three sizes without injury. Send for circular giving full description.

SPANGLER SINGLE ROW FERTILIZER DISTRIBUTOR.

This is a most convenient and satisfactory machine to distribute fertilizers in an open furrow after the ground is prepared for planting potatoes, tobacco, corn, peas, beans, etc. The rear shovel mixes the fertilizer thoroughly with the soil. The machine is substantially built and is



easily regulated to sow fertilizer in any quantity, from 150 pounds to any amount desired per acre, spreading the fertilizer six inches wide in the furrow. The shovel which follows the fertilizer discharge is attached to a drag bar, which is raised or lowered at will by a lifter arranged so that it may be held at any desired height. We have also an attachment in connection with this machine for sowing peas, beans and corn for ensilage.

Price of Plain Fertilizer Distributor.....\$12.00.
 Price of Fertilizer Distributor with Pea and Bean Attachment..... 15.00.

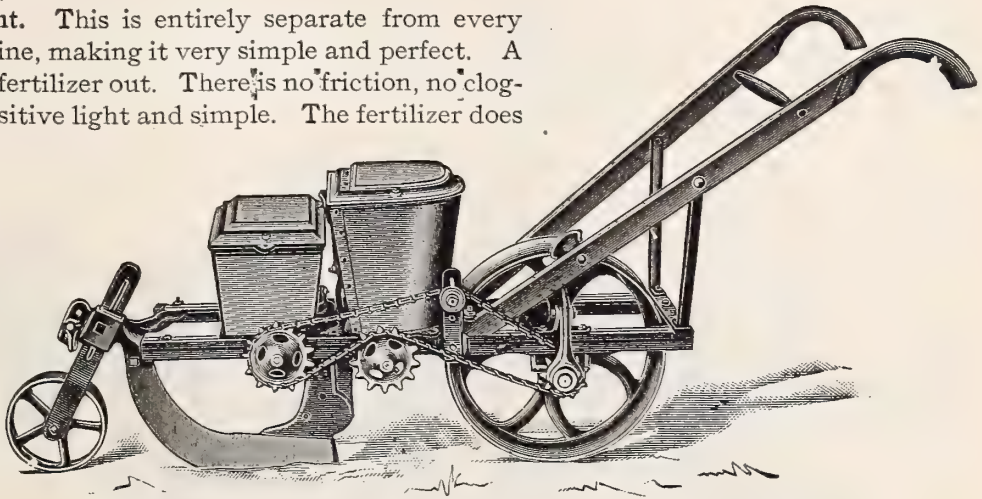
Prices Subject to Change Without Notice.

The Farmer's Friend Steel Frame Corn Drill.

This simple, compact and splendid working tool has for many years held its own against all competitors. Each year it gains a host of new friends and substantiates its name—the "Farmer's Friend". The runner and Covering wheel are distinguishing features of the "F. F.". These make it practically one-half of a Two-horse Planter, the runner cutting a furrow, the wheel closing it and packing the earth over the seed. Each drill has plates to plant corn of different sizes, 8, 12, 16 and 20 inches apart. Plates for ensilage and for any kind of seed can be obtained. Plants corn, peas, beans. With special plates which we can furnish it will plant peanuts, rice, broom corn, sorghum, popcorn, carrot, beat, turnip, millet, onion seed, etc.

Fertilizer Attachment. This is entirely separate from every other part of the machine, making it very simple and perfect. A smooth disc forces the fertilizer out. There is no friction, no clogging, no breaking. Positive light and simple. The fertilizer does not come in contact with the corn or dropping device. A gauge wheel is added to this machine to regulate the depth, and help carry the slight additional weight.

Price, with fertilizer attachment \$16.00.
Price, without fertilizer attach. \$14.00.



FRONT RANK CORN DRILL.

In this drill we offer another style which some users prefer, on account of the lead wheel and rear coverers. The frame is of one piece of steel. The wheel is heavy enough to secure good traction and of a pattern that will not carry up stalks or trash. The corn is brought out in sight as it is being planted, thrown in and out of gear by hand and foot. The cutter is of polished steel firmly fastened to the frame and it can be removed for drilling stony ground. The hoe has a steel point that rakes a perfect furrow. The shovels are of polished steel and can be set at any angle of depth; they always cover perfectly. Every drill is furnished with plates to drop different sizes of corn, one kernel at a time, different distances apart. Special plates for any kind of seed made to order. The fertilizer attachment used with this drill is most effective, well made, is easily handled and placed where it does not interfere with the corn hopper.

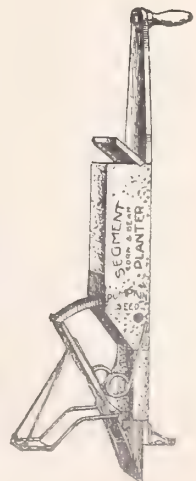
Prices.

With Fertilizer Attachment.....\$16.00
Without Fertilizer Attachment.....14.00



THE SEGMENT ONE-HAND CORN AND BEAN PLANTER.

We have found this planter to be thoroughly reliable and it has for some time given our trade great satisfaction. It is the handsomest, lightest, most accurate, strongest, and on the whole cheapest and most up-to-date planter on the market. It never cracks a kernel, nor skips a hill. Price, \$1.25.

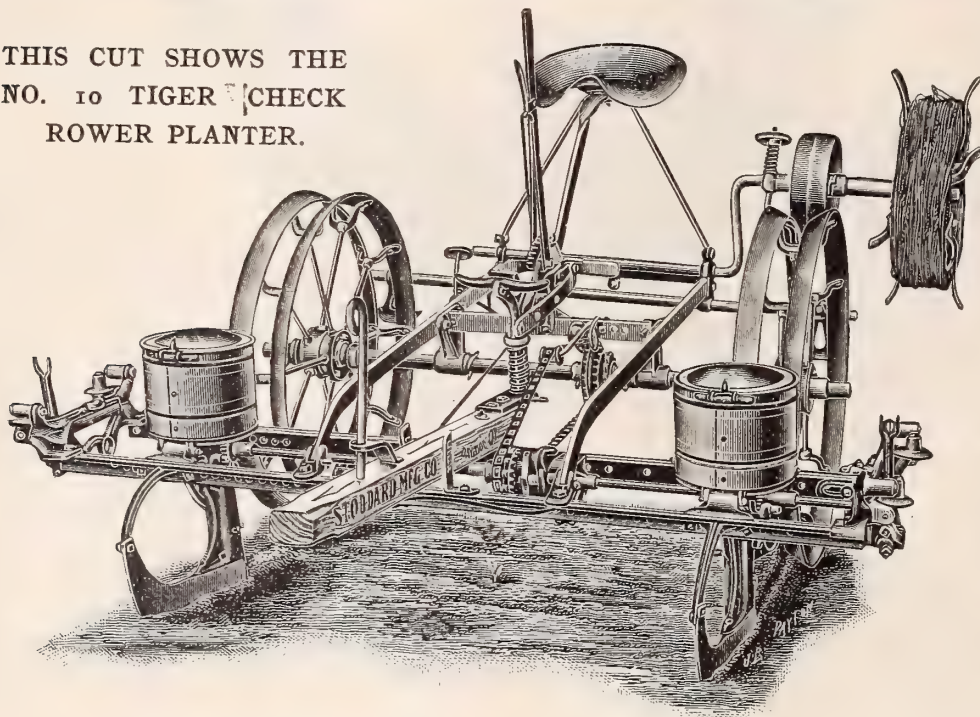


We Repair Farm Machinery.

Tiger Corn Planter.

We feel that we have in the Tiger Corn Planter the very best machine of its kind that has ever been offered. It may be taken for granted that many of the excellent features of modern Corn Planters are the common property of all makers. The most important feature of any planter is the grain handling mechanism, and whether or not a planter is satisfactory depends in a great measure, in fact, almost entirely upon the efficiency of the dropping device. Comparing the Tiger Planter with other makes it will be found that in every vital point the Tiger is equal or superior to the others, and that in the dropping device the Tiger is far ahead, in fact, this part of the planter is so near perfection that the Tiger Planter will drop 95 perfect hills out of every hundred, and the remaining five will have perhaps one grain more or less to the hill than the planter is set to drop. This is a strong claim but the work done by the Tiger Planter last year justifies it and puts the Tiger Corn Planter in a class by itself, and ahead of anything else on the market.

THIS CUT SHOWS THE
NO. 10 TIGER CHECK
ROWER PLANTER.



The Tiger Planter is regularly furnished to adjust from 3 ft. 2 in. to 3 ft. 10 in. We can furnish them to adjust to 4 ft. or to 5 ft. Special narrow machines can be supplied on order.

All Check Rower Planters are furnished with automatic reel as shown in the cut. Planters can be furnished with either 30 or 36 in. wheels and with either concave, open or combined wheels. The illustrations show the planters with open wheels.

WHY DOES THE TIGER DROP CORN WITH AN ACCURACY UNATTAINED BY OTHER PLANTERS?

Because of a series of experiments and tests covering all kinds of planters on the market and all sorts of conditions, a positive knowledge replaced the mysterious reasons usually given to account for poor dropping. One of the best known innovations in corn dropping devices is the "edge-drop" and this method of handling the corn has some attractive features. The dropping device on the Tiger Planter is not an "edge-drop". It is far superior to this style, and will do much more accurate work and what is of great importance and also one of its principle points of superiority over "edge-drop" devices, **it will not Mash the Corn.** The holes in the dropping discs of the Tiger Planter are round and allowance is made for irregularity in the size of grains. The cut-off is made of three independent plungers which open just enough to let the grain through, and back of the cut-off plungers is a little finger or sweep which pushes aside any surplus kernels that may crowd by the cut-off and which would cause irregular dropping, if allowed to pass down to the dropping tube. The whole device while marvellously accurate, is, at the same time, extremely simple. It has no complicated parts to cause constant worry and to be continually getting out of order. The entire mechanism of the Tiger Planter is simple. The machine is the result of many years of experience in corn planter construction. All Tiger Planters are equipped for hill and drill planting, and also have an attachment for **Step-Dropping the Corn.**

Tiger Check Rower Attachments. Are simple and reliable. The heads are not disturbed when width of planter is adjusted. All check rower planters have automatic reel and **100 rods of wire.**

We Carry a Line of Repairs for TIGER PLANTER.

Tiger Runner Planter or Tiger Disc Planter?

By placing before our customers the choice of runners or discs for opening the furrow, we cover the problem of supplying a planter that is suited to the locality. In some sections the runner is all that can be desired and will ever hold its own against all other devices. Then again, there are other sections where the disc is decidedly superior, on account of the rolling cutting action in hard and cloddy land. Both styles are equally accurate and convenient. It is safe to select either style.

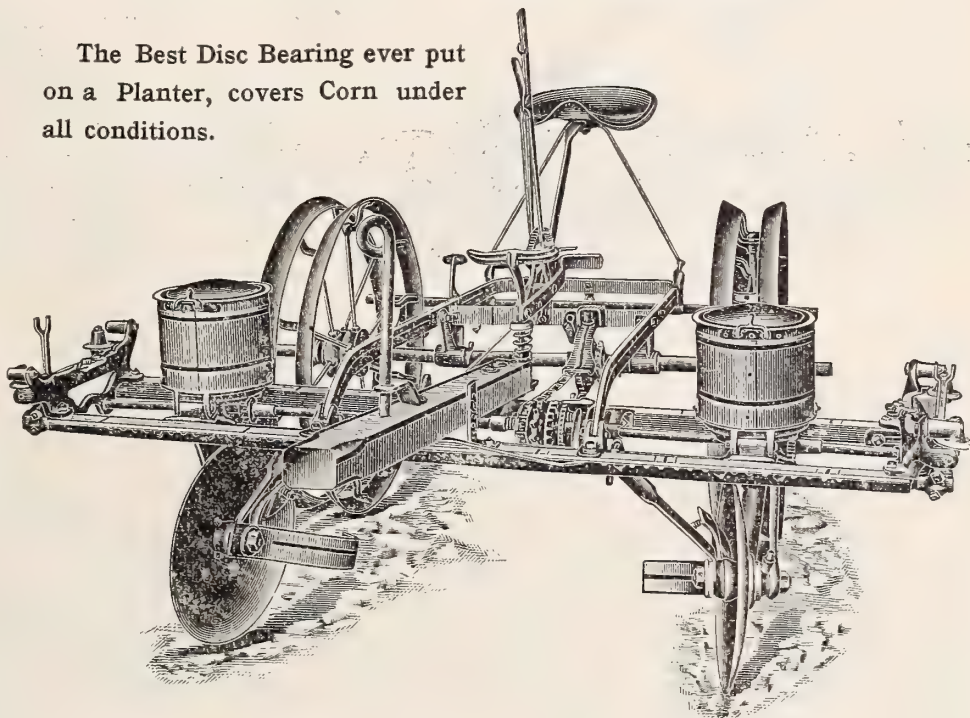
SPECIAL PLATES AND ATTACHMENTS.

The Tiger Planter can be equipped with special plates for planting beans, peas, etc. We can also furnish special furrowing and covering attachments.

FERTILIZER ATTACHMENTS.

The Tiger Planter can be furnished either with or without fertilizer attachment. This fertilizer attachment can be adjusted to drop the fertilizer in the hill with the corn or to drill it continuously in the row. Can be furnished with either plain Disc or Marks Feed.

The Best Disc Bearing ever put on a Planter, covers Corn under all conditions.

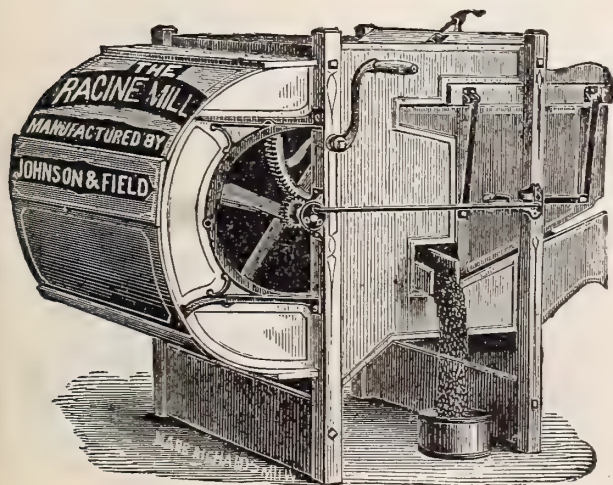


PRICE LIST OF TIGER PLANTERS.

No. 10 Tiger Runner Planter, plain, with 30 in. wheels.....	\$30.00
No. 10 Tiger Runner Planter, plain, with 36 in. wheels.....	32.50
No. 10 Tiger Runner Planter, with check rower attachment 30 in. wheels.....	40.00
No. 10 Tiger Runner Planter, with check rower attachment, 36 in. wheels.....	42.50

For prices of No. 12 Tiger Disc Planters, add \$2.50 to prices of No. 10 Tiger Runner Planter. Fertilizer Attachment for either No. 10 or No. 12 Planter, \$10.00.

THE RACINE GRAIN FAN.

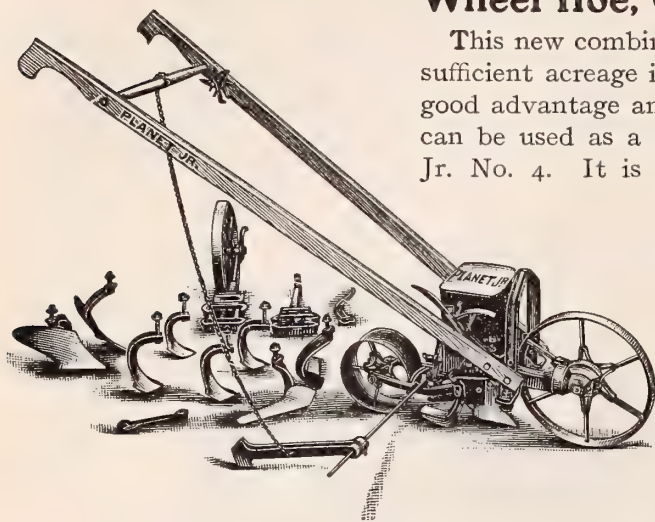


Equal, in fact superior, to any other now in use for cleaning and separating all kinds of grain. So arranged that the wind strikes the hurdle in a manner to blow all foul stuff and light grain over the hurdle. No. 1 grain is delivered by side spout and No. 2 grain at front of mill. The construction is the very best, The object being to build a first class grain fan rather than a cheap one. Each mill is furnished with one wheat hurdle with top sieve of zinc, one wheat screen and grader with side spout, one barley sieve and one oat or corn sieve. Other sieves and attachments are extra. Capacity 60 to 90 bushels per hour for cleaning. Price, \$20.00.

CIRCULAR AND PRICES OF LARGER MILLS.
ON APPLICATION.

We Solicit Correspondence in Regard to Your Wants.

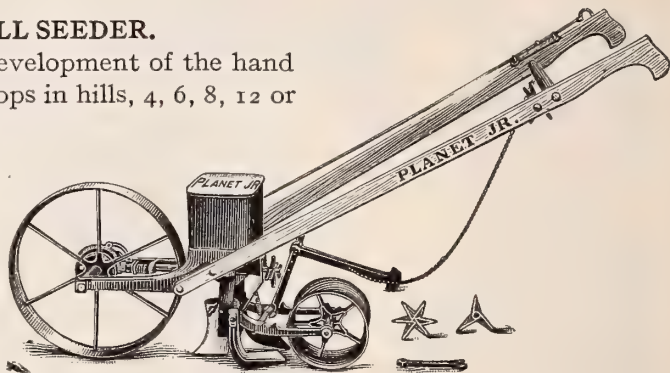
Planet Jr., No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.



This new combined machine is intended for gardeners who have sufficient acreage in crops for a double wheel hoe to be used to good advantage and do not want to buy separate machines. It can be used as a drill and is almost identical with the Planter Jr. No. 4. It is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills. It has $11\frac{1}{4}$ in. wheels, and the hopper holds $2\frac{1}{2}$ qts. As a wheel hoe it is identical with the Planter Jr. No. 12 double wheel hoe, the very best machine on the market. It takes but a moment to change from drill to wheel hoe and the whole combination is one that we can heartily recommend and guarantee to be satisfactory. Price, \$13.50.

PLANET JR. NO. 3 HILL AND DRILL SEEDER.

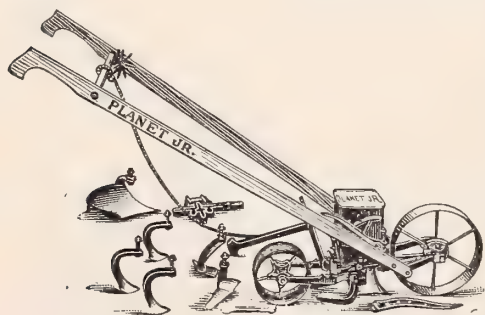
This Seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills and also drops in hills, 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of the seed is stopped by pushing down the feed rod. No time is lost, no seed is wasted; it is quickly set to sow the different kinds of seeds in the exact quantity required. We guarantee this drill to be accurate and to give satisfaction. The accuracy insures a regular stand of plants with the least seed and the price of the drill is more than made up in the saving of seed. Holds three qts. Price, \$10.50.



NO. 5 PLANET JR. HILL AND DRILL SEEDER.

This drill is identical in construction with the No. 3 but is larger. The hopper holds five qts. It works very light and is intended for those having a great deal of planting to do. Price, \$13.00.

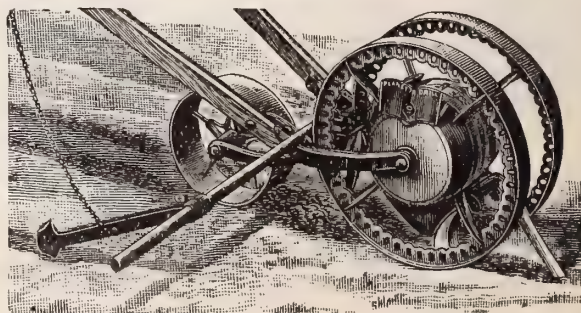
PLANET JR., NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.



This is the most popular combined tool made. It combines in a single implement a first class hill-dropping seeder, a Single Wheel Hoe or weeder, a cultivator and a plow. The hopper holds two qts. of seed, which can be sown in continuous rows, or dropped in hills at 4, 6, 8, 12 or 24 in. apart. Capacity of hopper, $2\frac{1}{2}$ qts. The drill is detached and the tool frame substitutes by removing but one bolt. With this one implement the small farmer can do practically all the work in small crops. Price complete, \$10.50. As a plain drill, \$8.50.

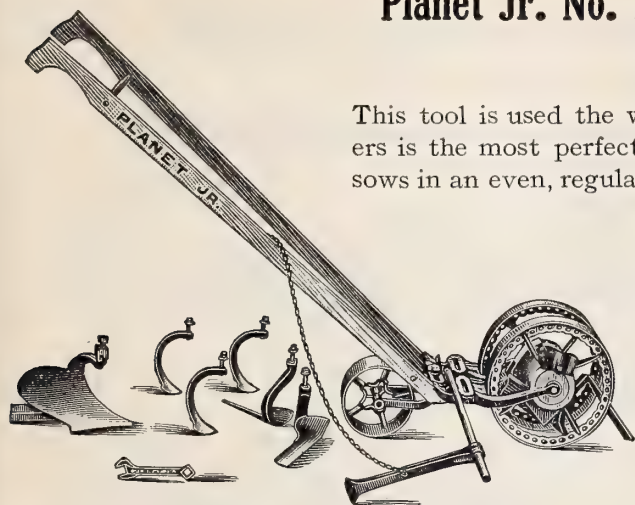
NO. 2 PLANET JR. DRILL SEEDER.

This machine is a style that we have been selling for a number of years and it has always given excellent satisfaction. It sows the seed with the greatest regularity in a straight narrow line and at a uniform depth, regulated at pleasure by a thumb nut. It sows any kind of garden seed, has an easy accurate adjustment of quantity sown, is simple, strong and light running. Holds three qts. Price, \$7.50.



Send for Special "Planet Jr." Catalogue.

Planet Jr. No. 1 Combined Drill Seeder, Wheel Hoe, Cultivator and Plow.



This tool is used the world over and, excepting our Hill and Drill Seeders is the most perfect drill known. The hopper holds three pints and sows in an even, regular stream, whether there is much or little seed in the hopper. The machine is extremely simple, has no agitator, belts or gearing and will not injure any seed. From a Drill it is changed to its other uses by removing two bolts, when hoes, cultivator teeth or plow can be quickly attached. It is a practical every day time and labor saver, a grand remedy for the backache and the best low priced combined machine on the market. Price, \$9.50.

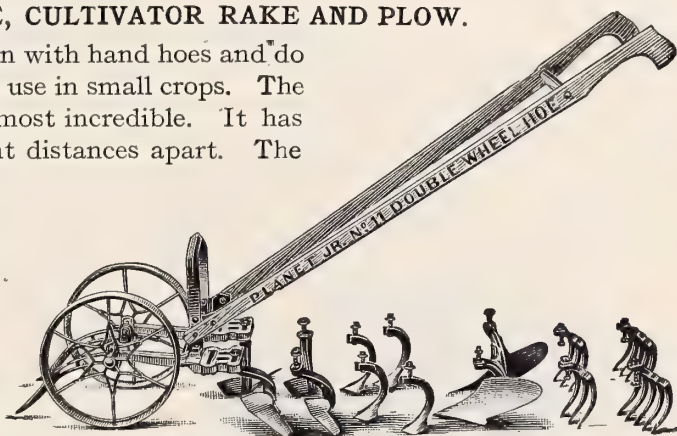
PLANET JR. No. 11 DOUBLE WHEEL HOE, CULTIVATOR RAKE AND PLOW.

This implement will do the work of three men with hand hoes and do it better. The No. 11 is an invaluable tool for use in small crops. The variety of work that can be done with it is almost incredible. It has 11 in. wheels which can be set at four different distances apart. The arch is high. Furnished complete with attachments as shown in cut. Price, \$9.00.

No. 12 DOUBLE WHEEL HOE CULTIVATOR AND PLOW.

This tool is identical with the No. 11 except that it has no rakes and only one pair of six inch hoes. Price, \$7.00.

No. 13 Planet Jr. Double Wheel Hoe. Has only one pair of six inch hoes. Price, \$4.75.



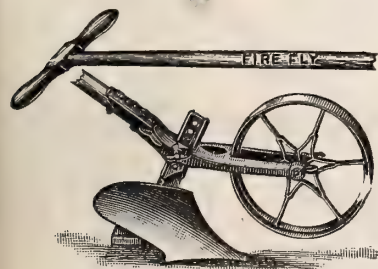
No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

Single wheel hoes are lighter than the double and do almost the same variety of work. They are used principally between the rows instead of straddling them. The No. 16 is complete with attachments as shown in cut. It can be adjusted for different width rows. Price, \$5.85.

No. 17 Single Wheel Hoe. Like the No. 16 but without rakes and leaf guard. Price, \$5.00. No. 17½ Single Wheel Hoe. Has one pair of hoes and three cultivator teeth, \$4.50.



No. 18 Single Wheel Hoe. The same as the No. 16, but is equipped with one pair hoes and no other attachments. Price, \$3.50.



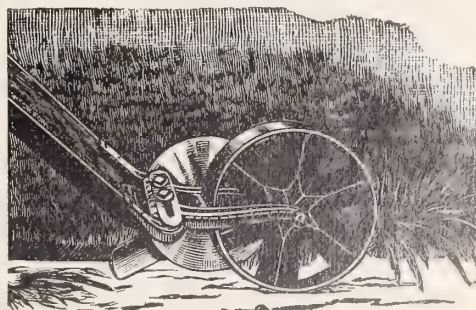
FIRE-FLY GARDEN PLOW.

Very useful in small gardens and poultry yards. Depth can be adjusted. Price, \$2.35.

PLANET JR. GRASS EDGER.

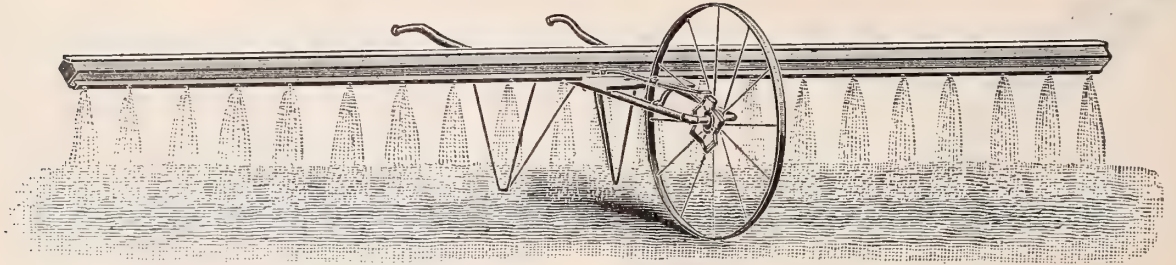
Excellent for edging open borders, drives and flower beds.

Operates at speed of mile an hour: Good for cutting strawberry runners. Price, \$6.00.



"Planet Jr." Tools are Renowned the World Over.

Crown Wheelbarrow Grass Seeder.



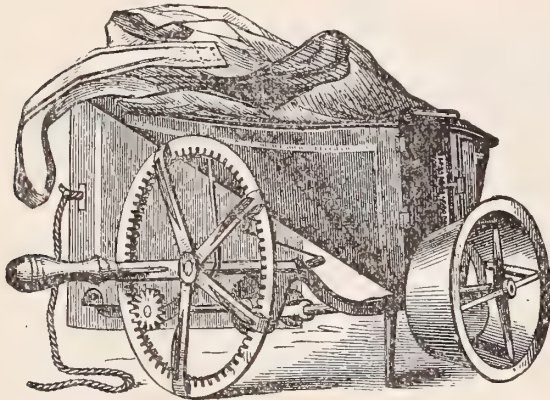
The best machine ever made to sow Clover and Timothy. Light, Strong and Durable. No gearing; no friction; more accurate than a geared machine. Wire agitator which is not affected by weather like cord. Bicycle wheel, 30 in. in diameter, which always runs true on axle. Light and easy to operate; easily adjusted for from $3\frac{1}{2}$ to 25 lbs. clover to the acre; sows evenly and accurately. Just the thing to use on a windy day. Warranted to do good work. 14 feet wide. Price, \$6.00.

THOMPSON'S CLOVER AND GRASS SEEDER.

This one of the best seeders. Manila Rope feed. It is light and strong, very simple and does very accurate work. The Thompson Seeder has been on the market a long time and is very popular. The Thompson is a wheelbarrow seeder. No. 1, 14 ft. Seeder for Clover and Timothy, \$6.00; No. 2, 14 ft. with double hopper to sow Blue and Orchard Grasses, as well as Clover and Timothy, \$8.00.

CAHOON'S BROADCAST SEEDER.

For sowing Wheat, Oats, Hemp, Barley Rye, Buckwheat, Grass Seeds, Rice, Etc. Sows from four to eight acres per hour at an ordinary walking gait; sows wheat about forty feet wide. Accurate. Will give perfect satisfaction and save its cost in a very short time. Price, \$3.25.



CAHOON'S SEEDER.

FAVORITE BROADCAST SEEDER.

A simple, strong and accurate Seeder at a low price. Accurate adjustments. Sows Wheat, Rye, Clover and light Grasses.

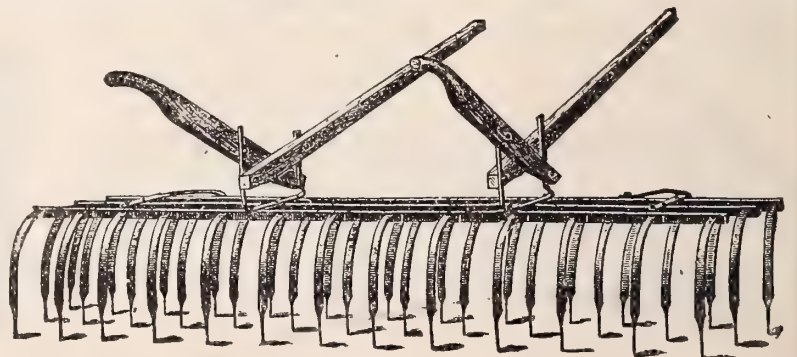
Price, \$1.50.

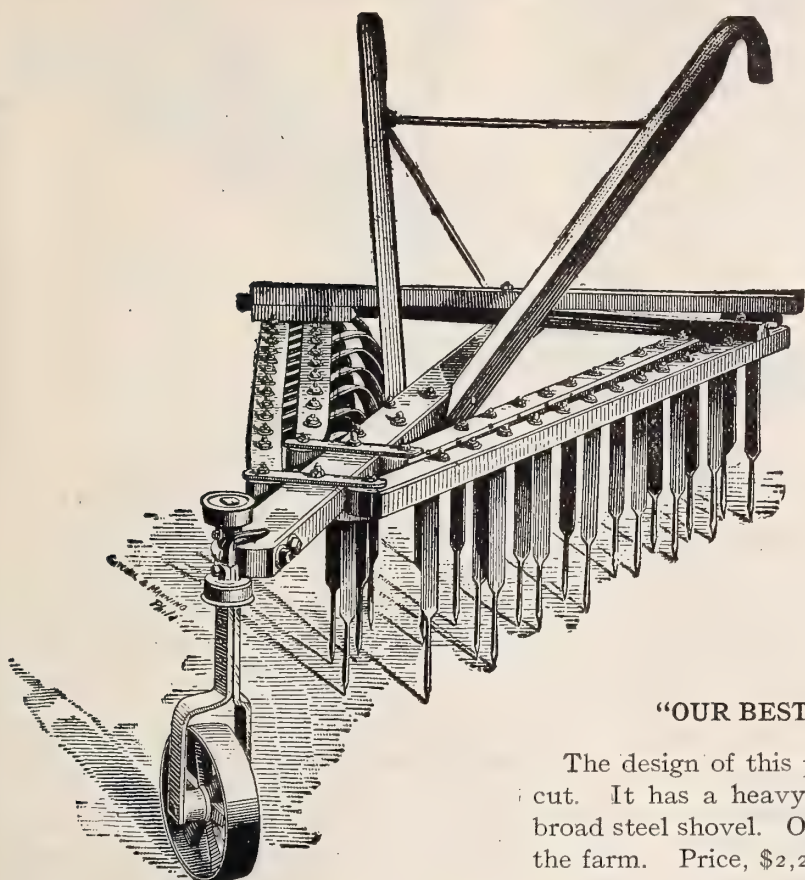


FAVORITE SEEDER.

THE HALLOCK QUADRUPLE WEEDER AND CULTIVATOR.

This is a tool which has rapidly grown in favor and excellent results are obtained from its use. The frame is of angle iron. The teeth are six in. apart on each frame and each tooth is bolted on separately. The handles and shafts are adjustable. The teeth are arranged so as to work the ground thoroughly and also in a manner that permits trash to pass through. By removing one tooth a space of 4 inches can be obtained over the row, and by removing two teeth a space of 6 in. can be obtained. On account of this feature, the weeder can be used for working narrow rows by taking out the proper number of teeth. This tool has been adopted and passed upon favorably by many of the most practical farmers. Price..... \$12.00.





Keystone Adjustable Weeder and Shallow Cultivator.

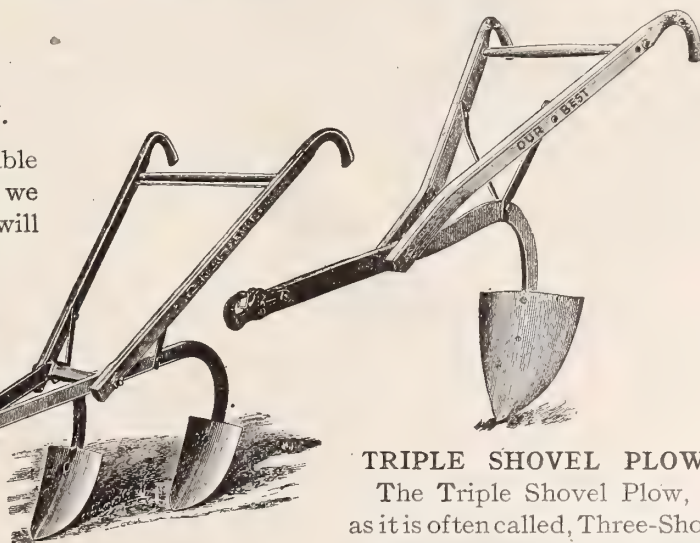
Most Practical Weeder Made.
Teeth Will not Break. Only Weeder
Adjustable to Width and Depth.

Can be widened to 7½ ft. or narrowed to 30 in. as shown in cut. It can be used as a shallow cultivator, working close to the plants between the rows, until the crops mature. long after other weeders are laid aside, It will not clog. Shallow and frequent cultivation has rapidly grown in favor the past few years among farmers and truckers, and the sale of the "Weeder" has reached proportions far exceeding expectations.

Price, \$12.00.

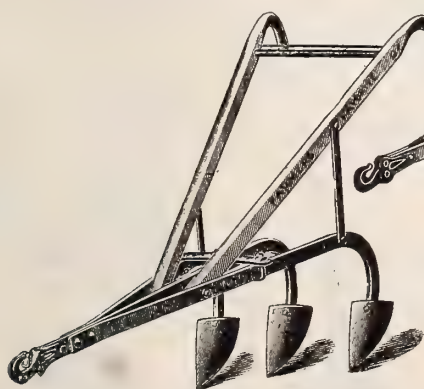
"OUR BEST" SINGLE SHOVEL PLOW.

The design of this plow is readily understood from the cut. It has a heavy steel beam of good quality and a broad steel shovel. One of the most valuable tools around the farm. Price, \$2.25.



"OUR BEST" DOUBLE SHOVEL PLOW.

Every farmer realizes the value of a Double Shovel Plow with a good set. The plow we illustrate is strong and runs nicely. It will give good service. Price, \$2.50.





TRIPLE SHOVEL PLOW.

The Triple Shovel Plow, or as it is often called, Three-Shovel Drag is one of the best known

and most efficient tools for working corn. In some sections they are used almost exclusively. The beams of our Triple Shovel Plow are of a good grade of steel and heavy enough to stand severe work. The shovels are of good

quality and on the whole the tool will give great satisfaction and long service. Price, \$2.75.

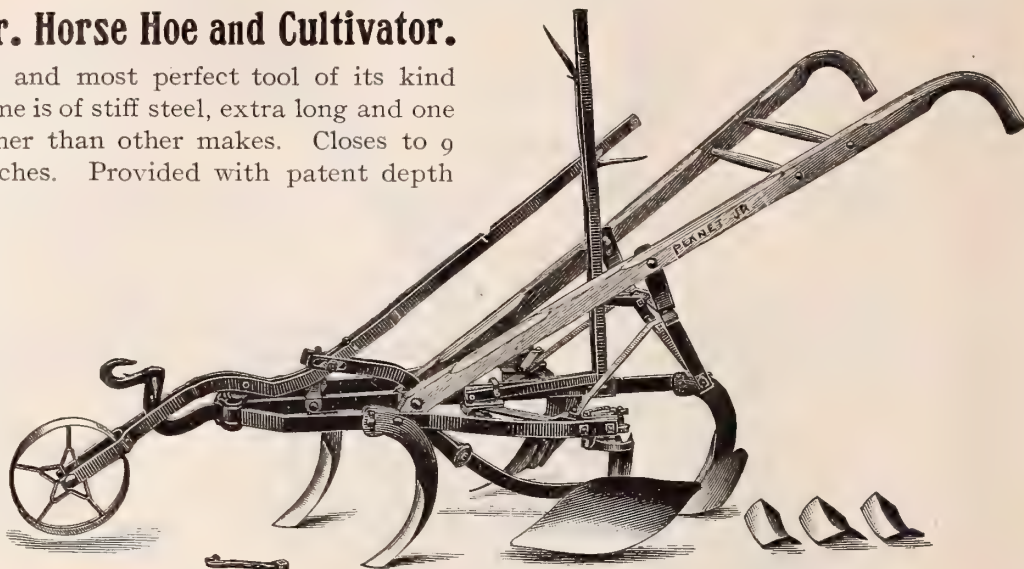
SHOVEL PLOW STEELS AND EXTRAS.

14 in. blade for Single Shovel Plows.....	75c.	Clod Fenders for Double Shovel Plows, each.....	35c.
16 " " " " " ".....	85c.	Shovel Plow Handles, per pair complete,....	75c.
7 " " Dbl. " " per pr.....	50c.	Bolts for Shovel Plow Blades each.....	30
8 " " "  " " ".....	65c.	PLAIN PLOW HANDLES. (Dressed.)	
Bull Tongues " "  " " ".....	45c.	1 1/8 x 2 in., 5 ft. long, per pair.....	30c.
Triple Shovel Blades per set of 3 blades....	50c.	1 1/4 x 2 1/4 in., 5 ft. " " ".....	35c.

Prices Subject to Change without Notice.

No. 8 Planet Jr. Horse Hoe and Cultivator.

This is the best and most perfect tool of its kind ever offered. Frame is of stiff steel, extra long and one or two inches higher than other makes. Closes to 9 and opens to 25 inches. Provided with patent depth regulator, lever wheel and improved lever expanding device which combines great strength with stiffness and simplicity. This tool is the result of thorough knowledge of both farming and manufacturing.



No. 7 Planet Jr. Horse Hoe and Cultivator. This tool is the No. 8 without the depth regulator. It works the same as No. 8 but lacks the perfect steadiness and control of depth made possible by the depth regulator.

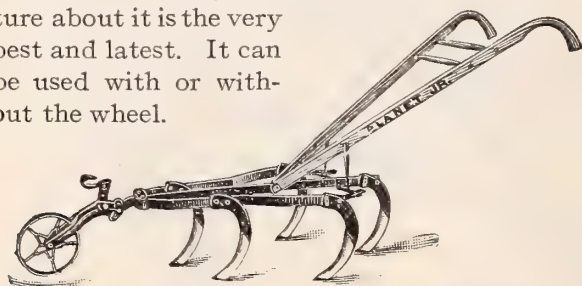
No. 9 Planet Jr. Horse Hoe and Cultivator. Identical with the No. 8 except that it has no depth regulator and plain wheel instead of lever wheel.

PLANET JR. TOOLS ARE NOT THE LOWEST PRICED BUT ARE ABSOLUTELY THE BEST—THEREFORE THE CHEAPEST.

Price List.

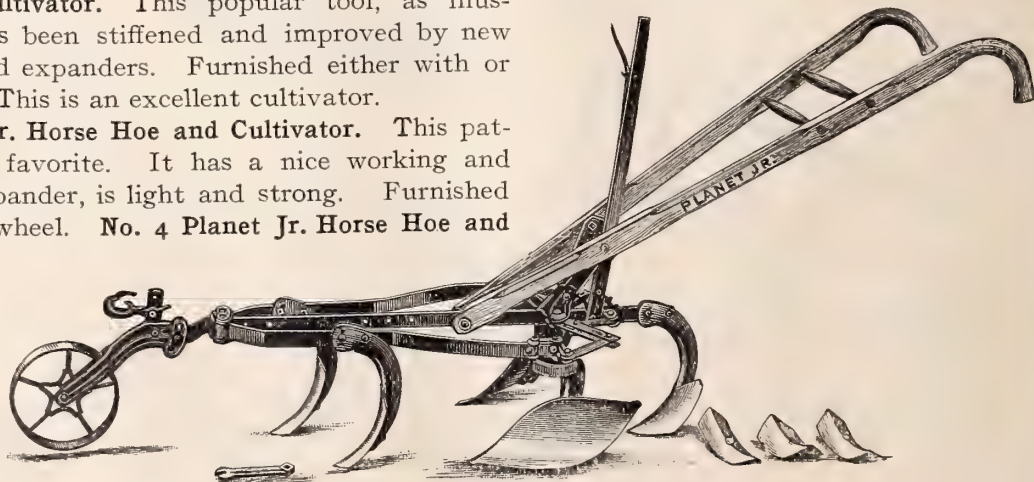
No. 8 Horse Hoe & Cultivator, complete.....	\$8.50
No. 7 Horse Hoe & Cultivator.....	8.00
No. 9 Horse Hoe & Cultivator, with wheel....	7.40
No. 9 Horse Hoe & Cultivator without wheel.	6.65
No. 4 Horse Hoe & Cultivator with wheel....	6.35
No. 4 Horse Hoe & Cultivator without wheel.	5.60
No. 5 Horse Hoe & Cultivator with wheel....	6.50
No. 5 Horse Hoe & Cultivator without wheel.	5.75
No. 9 Cultivator with wheel.....	6.10
No. 9 Cultivator without wheel.....	5.35
No. 4 Cultivator with wheel.....	5.00
No. 4 Cultivator without wheel.....	4.25

No. 9 Plain Cultivator. This tool is shown by the above cut. It is light and very strong, every feature about it is the very best and latest. It can be used with or without the wheel.



No. 4 Plain Cultivator. This popular tool, as illustrated above, has been stiffened and improved by new patent braces and expanders. Furnished either with or without wheel. This is an excellent cultivator.

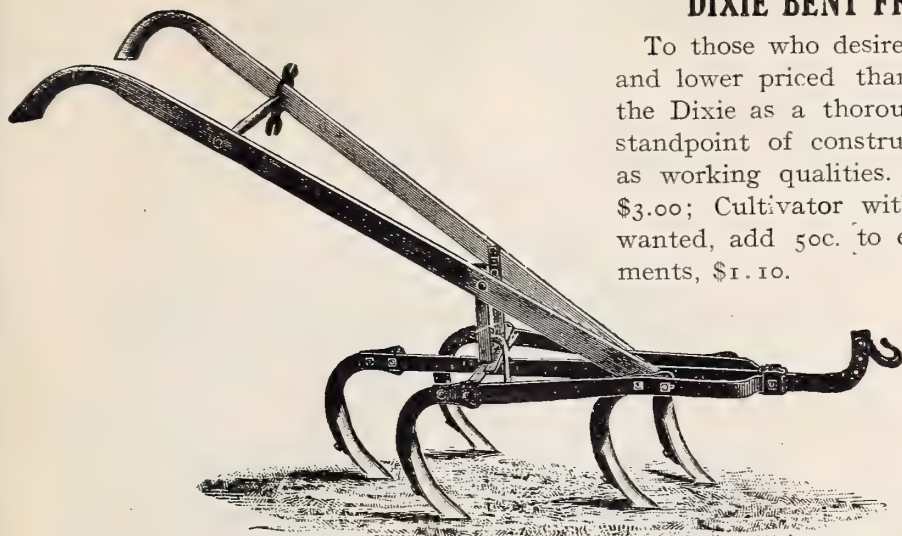
No. 5 Planet Jr. Horse Hoe and Cultivator. This pattern is a great favorite. It has a nice working and reliable lever expander, is light and strong. Furnished with or without wheel. **No. 4 Planet Jr. Horse Hoe and Cultivator.** Like the No. 5 but has no lever expander. The width can, however, be readily changed.



Drop a Postal for Special "Planet Jr." Catalogue.

DIXIE BENT FRAME CULTIVATOR.

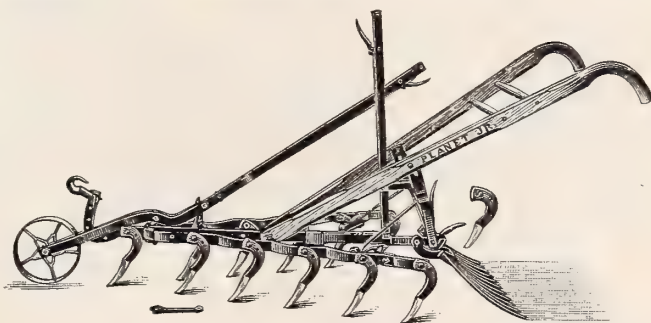
To those who desire a cultivator a little lighter and lower priced than the "Planet Jr." we offer the Dixie as a thoroughly reliable tool, from the standpoint of construction and material as well as working qualities. Price of Plain Cultivator, \$3.00; Cultivator with lever, \$3.50; if wheel is wanted, add 50c. to either. Horse Hoe Attachments, \$1.10.

**SUPERIOR CULTIVATOR**

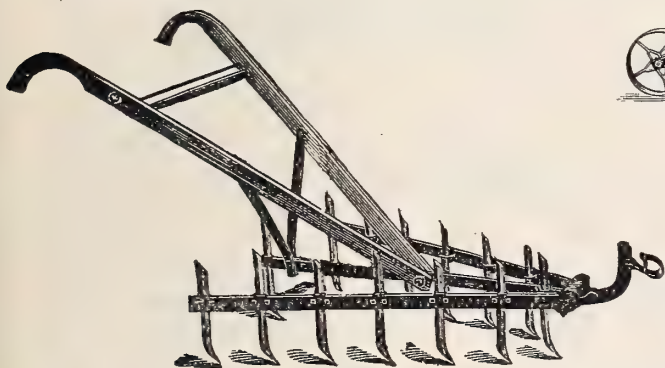
Similar to Dixie, but lighter, a good tool for light soil. Very popular with our trade. Price, \$2.50.

"PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.

This tool has rapidly grown in favor among strawberry growers, market gardeners, truckers and farmers. This is because the twelve chisel-shaped teeth do such thorough work and at the same time do not throw the earth on small plants, and because the tool is so convenient, durable and strong. With this tool you can do such a fine grade of work, and such a variety, that it is really a very valuable tool, and it will be to the interests of farmers to send for catalogue fully describing it. Price complete, \$8.50; with wheel, \$6.90; plain, \$5.80.

**14 TOOTH COMBINED HARROW AND CULTIVATOR.**

This is a very useful tool which can be made do a variety of work. The teeth be set in different positions. Desirable for first cultivation. Price plain, \$3.25; with lever, \$3.75.

**CULTIVATOR POINTS AND EXTRAS.**

No. 0, 1 1/4 in. wide, each	6c.	Horse Hoe Steels, per pair	35c.
No. 1, 2 in. wide, each	6 1/2 c.	Levelers for Cultivators	85c.
No. 82, 3 in. wide, each	7c.	Wheels for Cultivators	60c.
No. 68, Oval or Jersey, each	7 1/2 c.	Cultivator Plate Bolts	3c.
No. 10 Turn Shovels, either		Cultivator Frame Bolts	3c.
R. or L. hand, each	15c.	Cultivator Handles per pair	75c.
No. 11 Turn Shovels, 6 in.	15c.	Teeth for Combined Harrow	7c.

GENUINE "PLANET JR." EXTRAS.

1 1/4 x 8 in. steel.....	8c.	1 1/4 x 10 in. steels	12c.
1 3/4 x 8 in. "	9c.	1 3/4 x 10 in. "	13c.
2 1/4 x 8 in. "	10c.	2 1/4 x 10 in. "	15c.
3 x 8 in. "	11c.	3 x 10 in. "	17c.
4 x 8 in. "	12c.	4 x 10 in. "	20c.
Horse Hoe Steels, ea....	60c.	15 in. Furrower	\$1.10
Hind Shovels, 7", ea. .	25c.	Cultivator Roller	1.75

Prices Subject to Change Without Notice.

The Tiger Riding Cultivator.

After years of study of the requirements and conveniences desirable and necessary for successful field work in lands and crops, we offer this cultivator as an embodiment of all desirable features in a form that is attractive, strong and thoroughly practical. The popularity of this cultivator last year is an assurance of large sales this season.

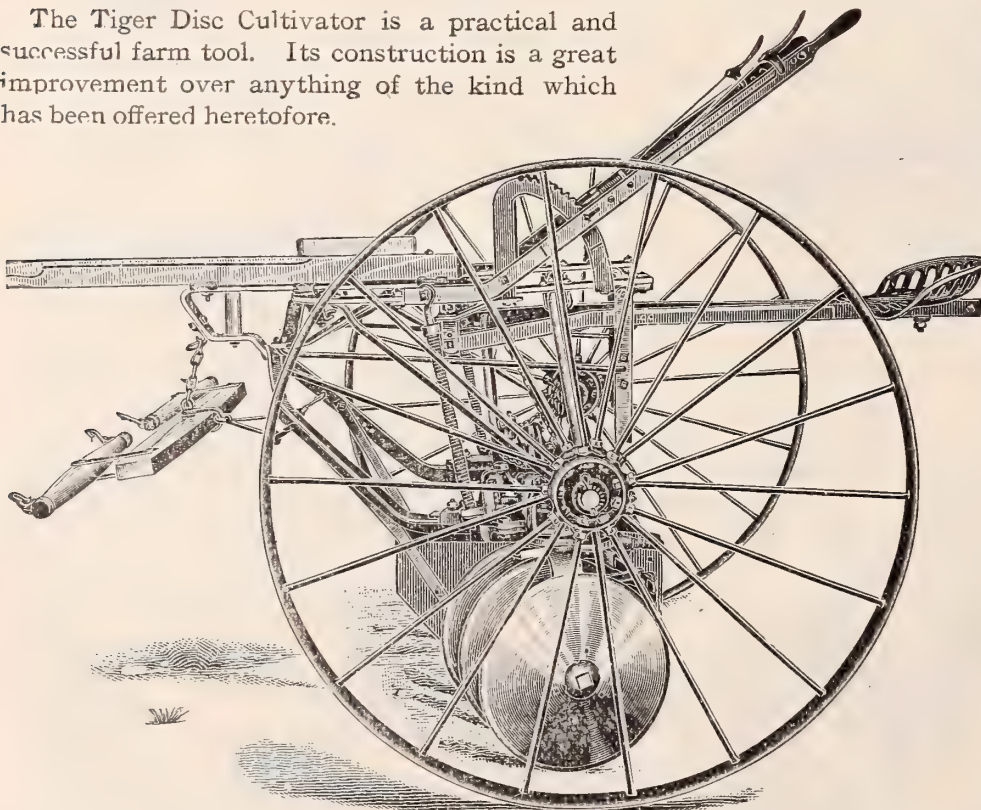
The Tiger Cultivator has self-locking levers which operate so easily that they can be handled by a child. The springs are so adjusted as to give a very easy and convenient lift to the gangs. The gangs are so constructed that the shanks can be changed; that is, either 2, 3, or 4 shovels can be used on each beam and either pin or spring trip. The gangs are hung well forward, with a long bearing, insuring ease of manipulation. The guiding mechanism is most convenient, a

very easy side movement being obtained by a backward and forward movement of the leg, the operation being very easy. If the operator wishes to dodge a rock or stump, he can separate both gangs to the limit by simply pushing forward with both feet. The Balance Frame feature does away with neck weight, whether the operator be small boy or a heavy man.

Four or six shovel Spring Trip Cultivator \$30.00 Four or Six Shovel Pin Break Cultivator \$27.50.

Tiger Disc Cultivator.

The Tiger Disc Cultivator is a practical and successful farm tool. Its construction is a great improvement over anything of the kind which has been offered heretofore.

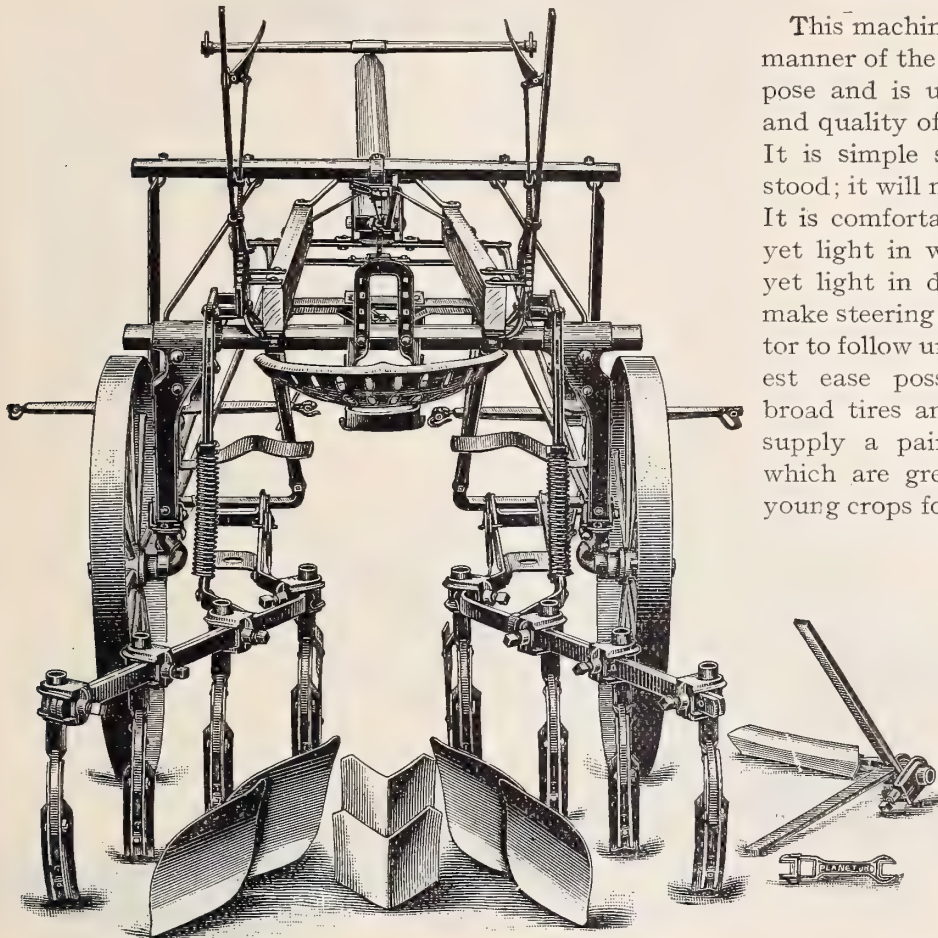


For ease of manipulation and satisfactory results, it cannot be excelled. Tried under all conditions and always satisfactory. There is no hand lever for guiding the Tiger Disc Cultivator, the forward pressure of the foot does it all. Adjustment is provided for setting the discs at any angle. Has chilled bearing rings, ample oiling devices and thoroughly protected bearings. The hitch pulls directly on the discs instead of on the frame.

Send for circular. Price, \$35.00. Harrow Attachment, \$2.50.

Send for Special Circular of Tiger Riding Cultivators.

"PLANET JR." PIVOT WHEEL CULTIVATOR.



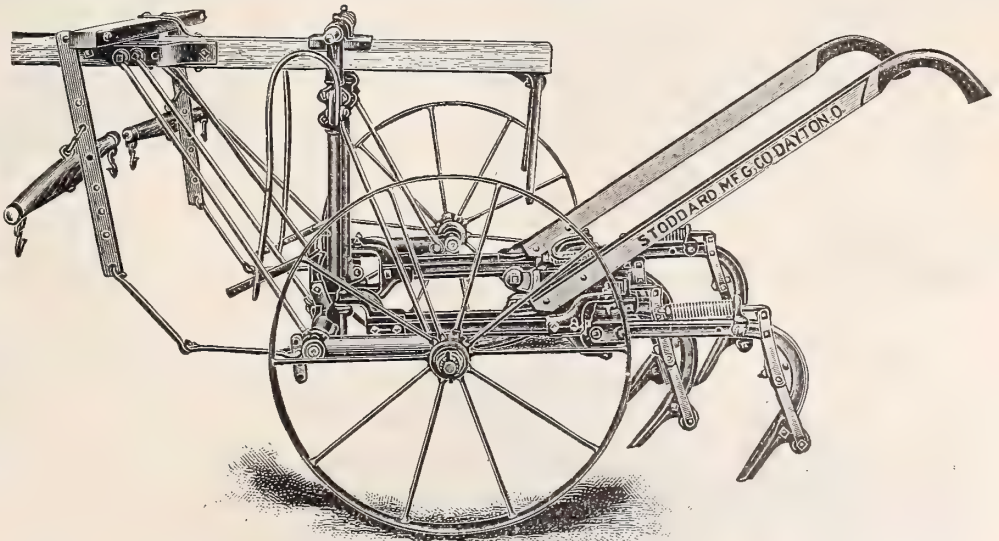
This machine is built in the very best manner of the best material for the purpose and is unequalled in the variety and quality of the work it will perform. It is simple strong and easily understood; it will not get out of order easily. It is comfortable to ride upon, strong, yet light in weight, thorough at work yet light in draft. The Pivot Wheels make steering easy and enable the operator to follow uneven rows with the greatest ease possible. The wheels have broad tires and renewable boxes. We supply a pair of special finger teeth which are great favorites for working young crops for first time. It is adjust-

able in width, the wheels close to 32 and open to 40 inches and the tool cultivates all rows from 28 inches to 4 feet apart. We will be glad to mail on application, illustrated catalogue of "Planet Jr." line of cultivators.

Price of Pivot wheel Cultivator \$32.50.

TIGER WALKING CULTIVATOR. Style F.

A good walking cultivator is the friend and helper of all farmers who have small fields, steep hills or other impediments that make it impossible to use a riding cultivator with satisfaction. The Tiger Walking Cultivator can be furnished with Rigid Arch or with Balanced Frame and Adjustable Arch.



The manner of attaching gangs not only allows adjustability in the space between the gangs but permits the taking up of loose motion resulting from ordinary wear and tear. A distinctive feature is the flat tempered steel lifting spring which greatly facilitates the raising of the gangs from the ground. Send for circular.

F-16. Spring Trip, 6-3 in. shovels, 2 Bull Tongues, 1 pair Hilling Shovels, and Fenders, \$20.00.

F-15. Break Pin, 6-3 in. Shovels, 2 Bull Tongues, 1 pair Hilling Shovels and Fenders, \$17.50.

F-13. Spring Trip, Parallel Beam, 4 Shovels: 2-5 in. Straight and 2-5 in. Twisted, 1 pair Bull Tongues and Fenders, \$19.00.

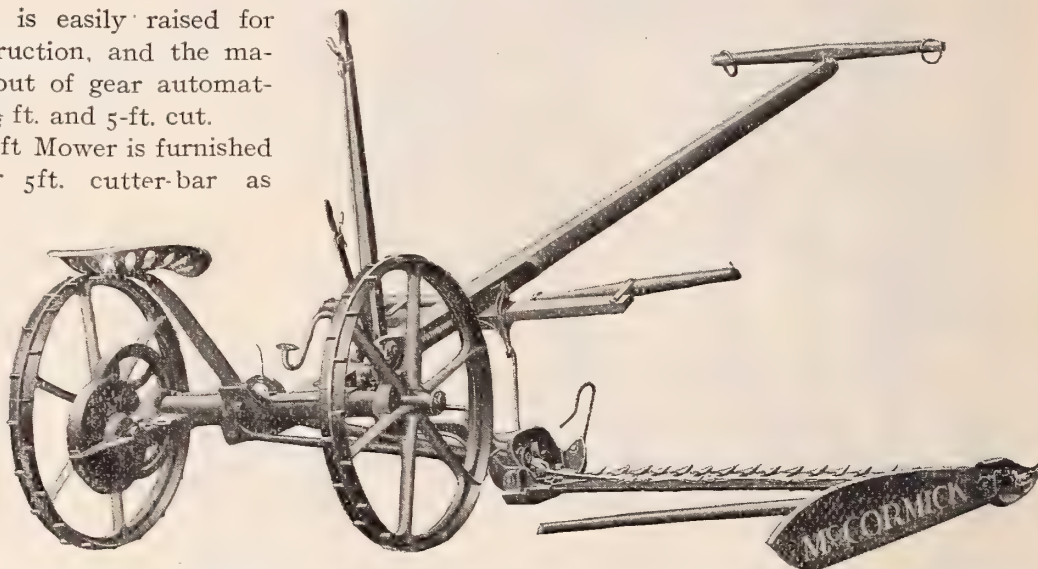
Special "Planet Jr." Catalogue Free on Application.

McCormick Vertical Lift Mower.

The McCormick Vertical Lift mower is specially designed for cutting on rough and stumpy lands. It is equipped with practical and efficient devices for raising and lowering the cutter bar when passing any obstruction, the machine being thrown in and out of gear automatically without stopping the team. The operator is thus enabled to cut close up to a tree, stump, or rock, and save both the hay and valuable time that would be lost in trying to operate an ordinary machine in a field where there are stumps or other obstructions. This machine is also splendidly adapted for general use, and works equally well over smooth and even ground, the construction of the machine combining all the essential features of the most improved mower. It is therefore, everywhere known and used as an all-purpose mowing machine, for it is designed both for general cutting and for rough and stumpy lands.

The cutter-bar is easily raised for passing any obstruction, and the machine is thrown out of gear automatically. Sizes: 4½ ft. and 5-ft. cut.

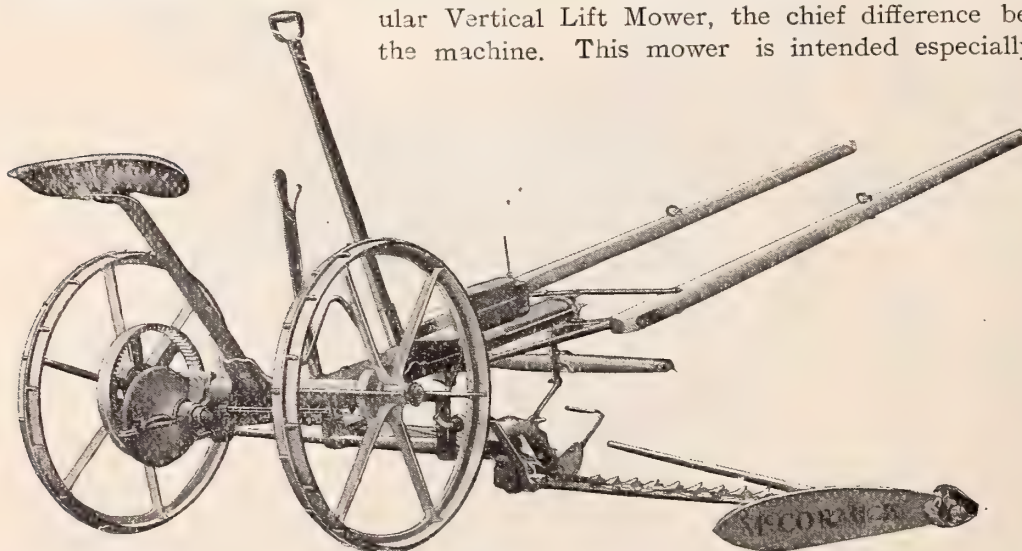
The Vertical Lift Mower is furnished with either 4½ or 5ft. cutter-bar as the purchaser selects. We call particular attention to the Vertical Lift feature which enables the operator to throw the bar to an upright position without leaving the seat and with one hand. Send for special catalogue giving detailed description of the Old Reliable McCormick. Write for prices.



McCORMICK LITTLE VERTICAL MOWER.

The McCormick Little Vertical Mower in both design and construction is very similar to the regular Vertical Lift Mower, the chief difference being in the size of the machine. This mower is intended especially for small farms,

lawns and parks, orchards and cemeteries. Where a small amount of grass is grown it will answer the purpose of a larger machine.



WRITE FOR

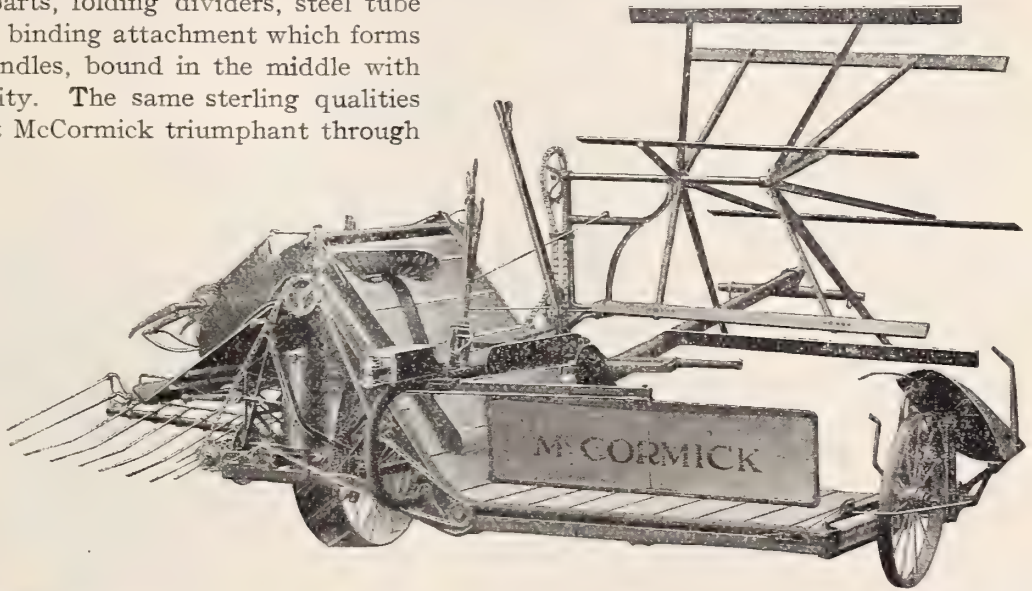
PRICES.

McCormick Mowers, both one and two horse, have long been regarded as the best grass cutting machines on the market. They have many characteristics which readily recommend them to the practical buyer. Send for McCormick special catalogue which clearly describes the many valuable features.

Repairs for McCormick Machines furnished at once, from Stock.

McCORMICK LIGHT DRAFT BINDER.

The new McCormick Binder represents the highest attainment in the manufacture of harvesting machines. It is correctly designed, substantially built and will do the work the way the farmer likes to see it done. The machine is of light draft and easy to operate, easy for the driver and easy for the team. Among the splendid features of the New McCormick Binder may be mentioned the following: strong gears, simple knotter, adjustable deck and windboard, main chain tightener, hardened needle parts, folding dividers, steel tube yoke and splendid binding attachment which forms evenly butted bundles, bound in the middle with unvarying regularity. The same sterling qualities that have brought McCormick triumphant through seventy-two harvests will bring success to the New McCormick in the harvest of 1905. Send for special McCormick catalogue which gives detailed description. Prices quoted on application.



McCormick Knife and Tool Grinder.

The McCormick Knife Grinder enables the operator to sharpen his knives in considerably less time than is possible with the ordinary grindstone. As the grinder can be readily attached to the mower wheel, it is convenient for use in the field. If desired, we can furnish a cylindrical stone for grinding tools and a special stone for gumming saws. Price with one stone, \$4.00.

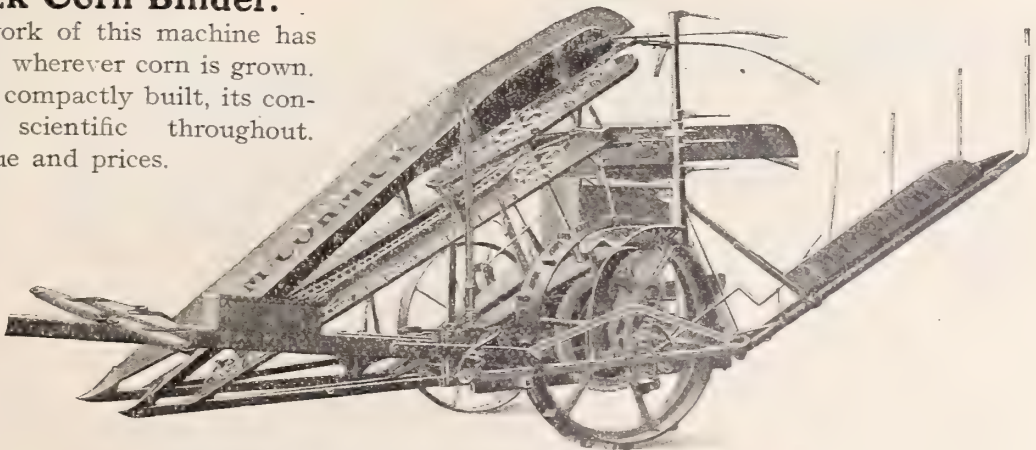
McCormick Binder Twine.

The pronounced excellence of McCormick Twine is largely due to exceptional facilities for securing the best grades of both Manila and Sisal Fiber. McCormick Twine is the best that can be produced; Spun evenly, full length and strength. Five brands: Sisal, Standard, Standard Manila, Manila and Pure Manila. Write for Prices Before Buying.

McCormick Corn Binder.

The splendid work of this machine has made it a favorite wherever corn is grown. It is strongly and compactly built, its construction being scientific throughout. Write for catalogue and prices.

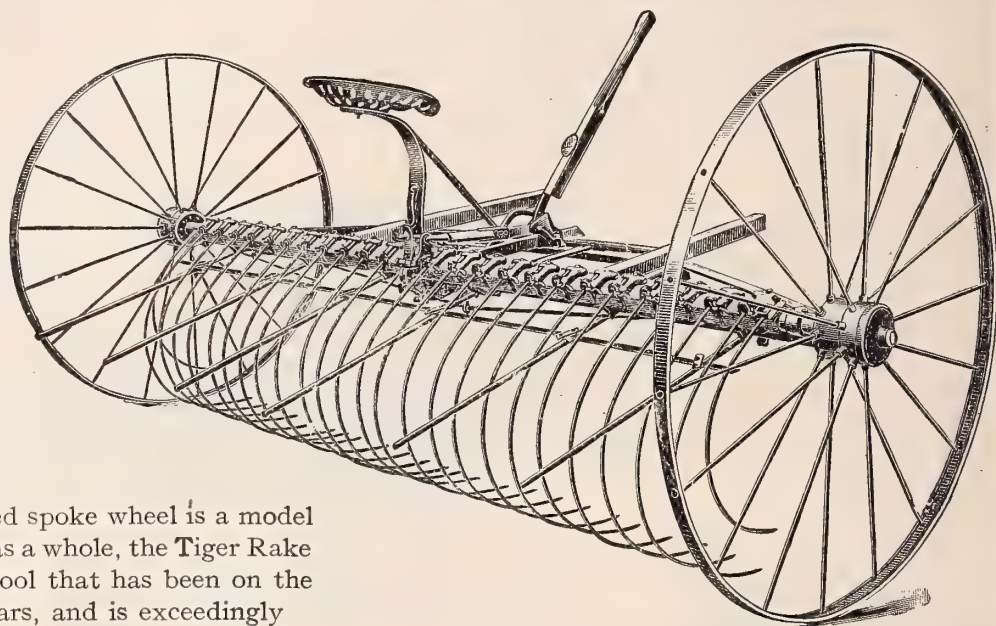
PRICES ON
McCORMICK
MACHINES
QUOTED ON
APPLICATION.



THE NAME "McCormick" Guarantees the Machine.

Model 2 Tiger Hay Rake.

The distinct feature of the **Tiger Hay Rake** is the position of the dumping mechanism at the center of the rake. Each ground wheel is ratcheted to the axle and can turn it **forward only**. In turning corners or under any circumstances where but one wheel operates to dump the load, the head is lifted at the center, evenly and just the same as if both wheels were operating on the axle. The teeth are adjustable and can be moved on the head so as to set them wherever desired; thus, if a tooth is broken out, the space can be taken up and distributed between several of the other teeth; this is a valuable feature. The construction of the rake head is neat and very strong; a spring relief takes up the jar of the teeth when they drop back after discharging their load.



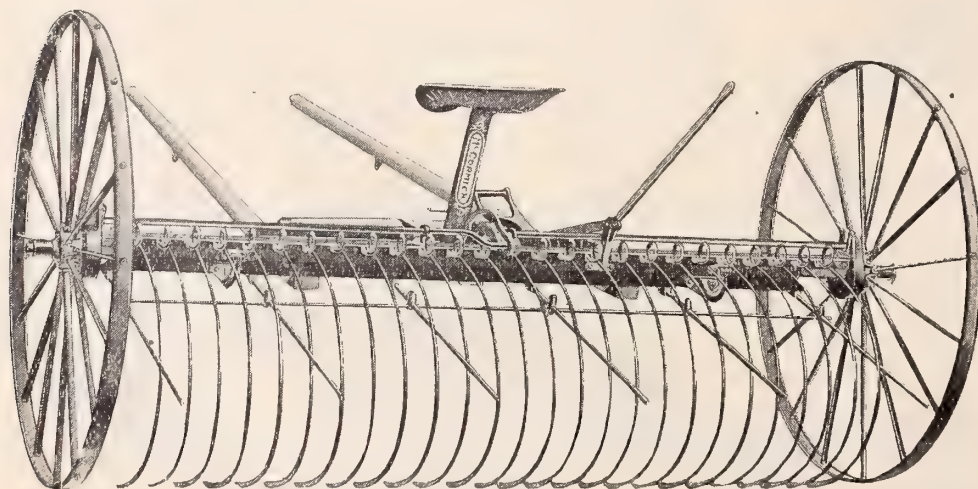
The **Tiger staggered spoke wheel** is a model of strength. Taken as a whole, the **Tiger Rake** is a most excellent tool that has been on the market for many years, and is exceedingly popular.

8 ft. rake, 20 teeth.....	\$22.00	10 ft. rake, 26 teeth.....	\$25.00
9 ft. " 24 "	24.00	12 ft. " 32 "	27.00

All rakes are equipped with combined pole and shafts.

McCormick Hay Rakes.

The **McCormick Hay Rakes** are simple in design, strong in construction and practical in the field. They are made in both self-dump and hand-dump styles, and the best material is used in their manufacture. Staggered spoke wheels with heavy two-in. channel steel tires; hubs fitted with removable



boxes that can be replaced at a trifling cost. Teeth are made of the best quality spring steel, the points of the teeth are so shaped that they will get all of the hay without digging into the ground. The head is of high carbon angle steel so trussed that it will not sag. Equipped with combined pole and shafts.

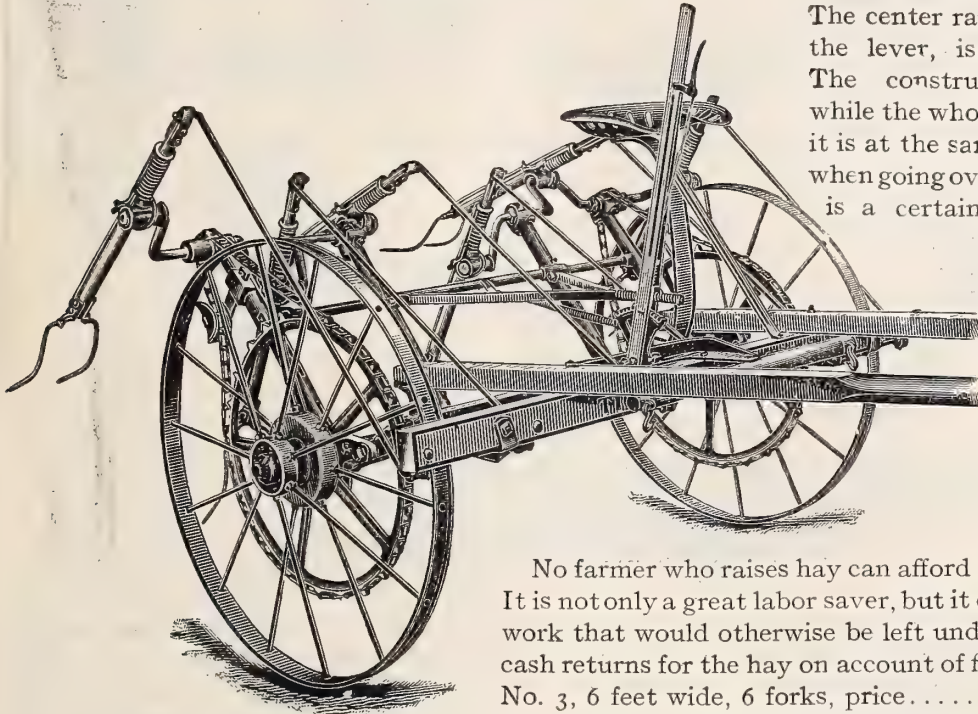
8 ft. Self-Dump Rake, 20 teeth	\$22.00	10 ft. Self-Dump Rake, 26 teeth.....	\$26.00
9 ft. " " " 24 "	24.00	8 ft. Hand-Dump Rake, 20 teeth.....	18.00
Extra Teeth for Tiger Rake,.....each, 25c.		Extra Teeth for McCormick Rake, ..each, 30c.	

Send for Special Circulars of Hay Rakes.

Tiger Hay Tedder.

The Tiger Tedder is strong but light and is surprisingly free from vibration. This quality is not only a satisfaction to the operator but insures longer life to the machine. The platform is constructed of three pieces. The front rail or cross bar is a single piece of well seasoned ash, to which is attached the rear rail of the frame, which is made of steel angle and bent so as to also form the side rails. The

The center rail, to which is attached the lever, is also of steel angle. The construction is such that, while the whole tedder is very strong, it is at the same time flexible so that when going over uneven ground there is a certain amount of flexibility so that the tedder will accommodate itself to the irregularities of the surface. The Tiger Tedder is a strong, simple and reliable machine, and it will give long service and entire satisfaction.



NO. 3 TEDDER.

No farmer who raises hay can afford to be without a Tedder. It is not only a great labor saver, but it enables him to get done work that would otherwise be left undone and it means more cash returns for the hay on account of fine quality.

No. 3, 6 feet wide, 6 forks, price.....\$30.00

No. 4, 8 feet wide, 8 forks, price.....\$35.00

Equipped with combined pole and shafts.

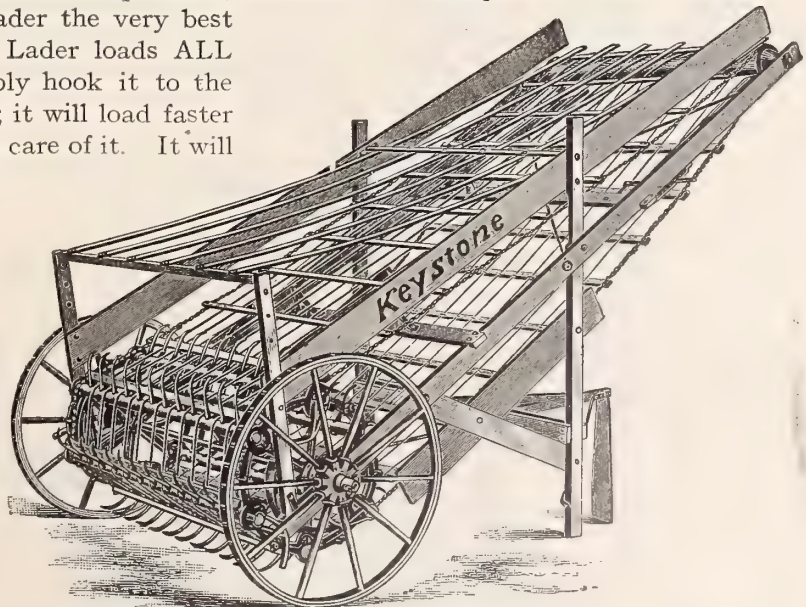
KEYSTONE SIDE DELIVERY HAY RAKE.

This is a Tedder and a Rake combined in one, and it is a great success. It will handle all sorts of Hay, from the lightest to the heaviest. Send for descriptive circular, it will interest you.

THE KEYSTONE WINDROW HAY LOADER.

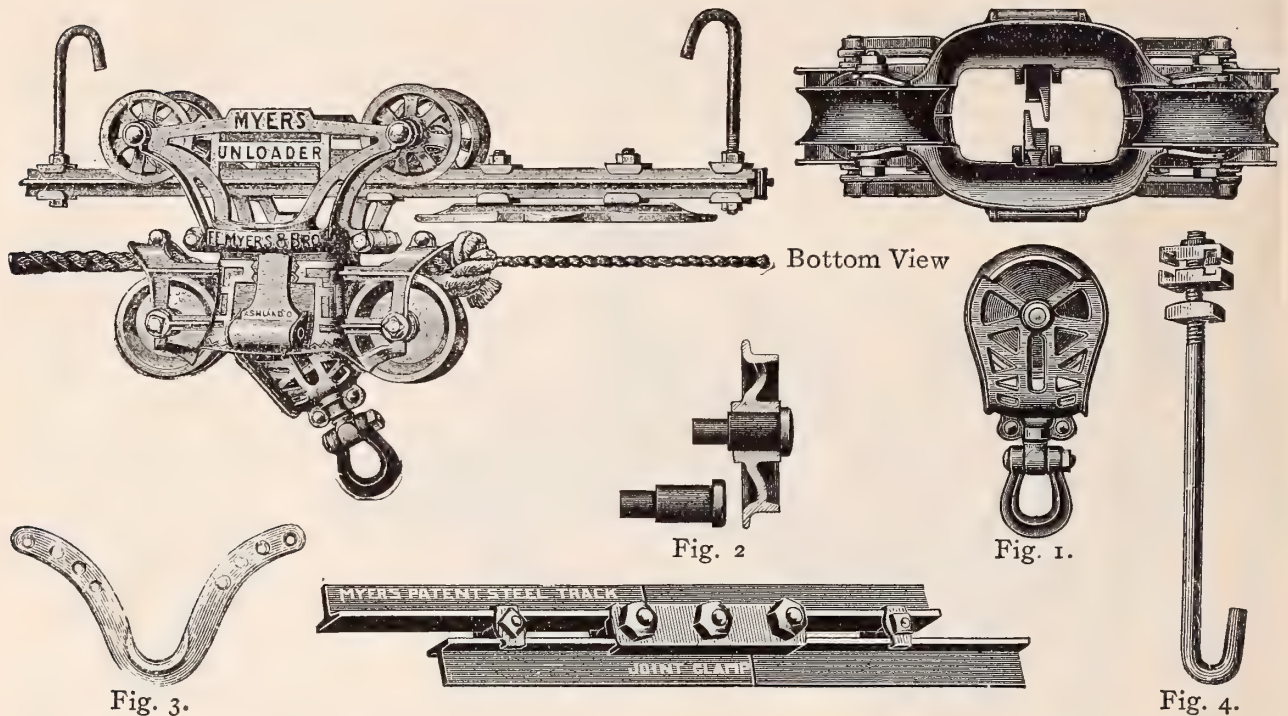
Twenty years of close study and practical experience, combined with unequal facilities for manufacturing, make the Keystone Hay Loader the very best loader ever offered. The Keystone Lader loads ALL of the Hay, ALL the time. Simply hook it to the back of the wagon and drive along; it will load faster than two men on the wagon can take care of it. It will work as slowly as desired. The Keystone is positively the only loader which will handle clover, alfalfa, pea-vine hay, or beans without injuring the crop in the slightest. Farmers should investigate the merits of this machine, as it is a time, labor and money saver. Send for illustrated catalogue, giving detailed description.

Price, \$70.00.



We Solicit Correspondence.

The Myers Hay Unloader, Track, Forks and Fixtures.



We give the above two views of Myers Hay Unloader to be used on Myers double angle steel track. This is the latest and best Hay Carrier and it embodies all the features of the Straight Reversible and Swivel Reversible Carrier and has many advantages over any other machine on the market. It is fitted with the Myers reliable double lock, which engages the fork pulley on each side, thus insuring a perfect locking device. One of the most important features of this carrier is the wide open mouth which permits the fork pulley to enter when swinging at any angle. This feature can be readily understood by referring to the illustrations above, and noting the shape of fork pulley (Fig. 1). This construction insures a satisfactory working carrier under all conditions.

The track wheels (Fig. 2) have turned steel axles, and weight is carried in center of wheel; the rope sheaves are fitted with wide hub and have longer bearings than any other make of carrier. For strength, simplicity, neatness of design and up-to-date features, it is without a peer. We also offer the Myers Unloader for Wood Track; the Wood Track Unloader possesses all the good features of the Steel Track unloader. Price of Unloader, for either wood or steel track, \$4.25.

Myers Patent Steel Track. The style of this track is illustrated above. It is made of two T carbon rails, very hard and stiff. Note the manner of clamping it together so that the two joints do not come opposite each other. A wrench only, is needed to put this track together. Per ft. 12c.

Myers Lock Lever Fork. (Fig. 6) Has 50 per cent more capacity than the regular Double Harpoon Fork on account of the cross bar being nearer to the top. Operated with one lever, Price, \$1.75.

Regular Double Harpoon Fork. (Fig. 5). The best known fork. Strong, and simple. Price, \$1.00.

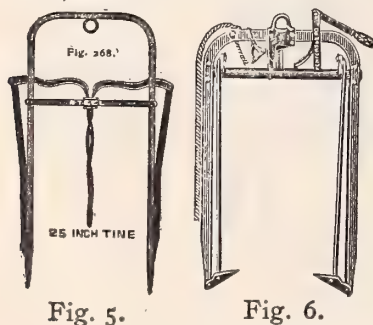


Fig. 5.

Fig. 6.

PRICES OF PULLEYS, HOOKS, ETC.

Malleable Rafters Bracket, (Fig. 3).....	6c. ea.
Hanging Hooks, (Fig. 4).....	8c. ea.
Floor Hooks, $\frac{3}{4}$ in.....	8c. ea.
Plain Maple Sheave Pulley, (Fig. 8).....	20c. ea.
Knot Passing Maple Sheave Pulleys, (Fig. 7)....	30c. ea.
Rafter Nails, per pound.....	10c. ea.
Manila Rope, either $\frac{3}{4}$ or $\frac{7}{8}$ in. diameter, at market prices,	usually about 4c. per ft.



Fig. 7.

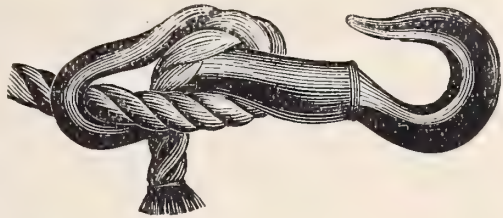


Fig. 8.

Special Estimates on Complete Outfits Cheerfully Furnished.

Myers Patent Rope Hitch.

No more hard knots to untie, nor rope wasted by cutting knot open. Rope can be released from whiffle tree instantly; hitch can be shortened by drawing on end of rope. Twist in rope is offset by swivel. Price, 20c.



MYERS SNATCH BLOCK.

This device shortens the distance the horse travels without reducing the elevating power. Price, 75c.

Send for Special Catalogue of Myers Hay Carrier Supplies.

THE "STAYON" FLEXIBLE BARN DOOR HANGER.

Pushes and Pulls easily. It is Impossible to Throw it Off the Track, which entitles it to the

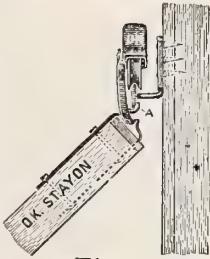


Fig. 10

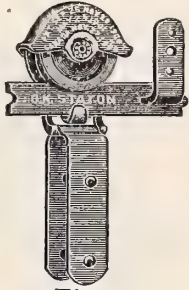


Fig. 11

MYERS SNATCH BLOCK

name, "Stayon". Held on track by lug A, (Fig. 10.) Wheels have Steel Roller Bearings (Fig. 12.) Attached to door by steel strap clamped over top and bolted through (Fig. 13.). The flexible feature illustrated by Fig. 10 is most valuable. "Stayon" Hangers per pair, \$1.00; Track, 6½ c. per foot; Stay Rollers for use at the bottom of doors, 30c. per pair.

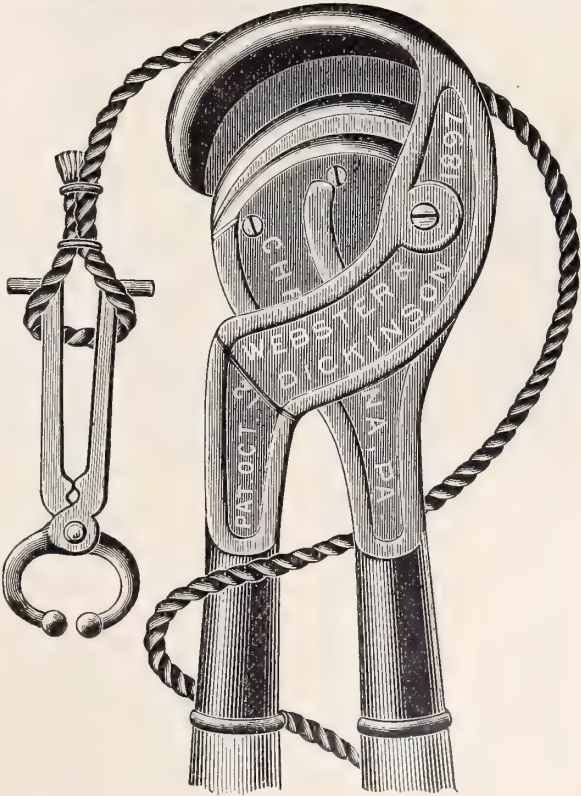


Fig. 13 Fig. 12 V Dishorner is absolutely the best V Knife Dishorner. Note the tapered rack. Well

Improved Convex and Bully V Dishorners.

We consider the Improved Convex Dishorner the easiest working and most humane dishorner on the market and the most simple. Knife is finest steel. Bully

proportioned, strong, light, easily operated.



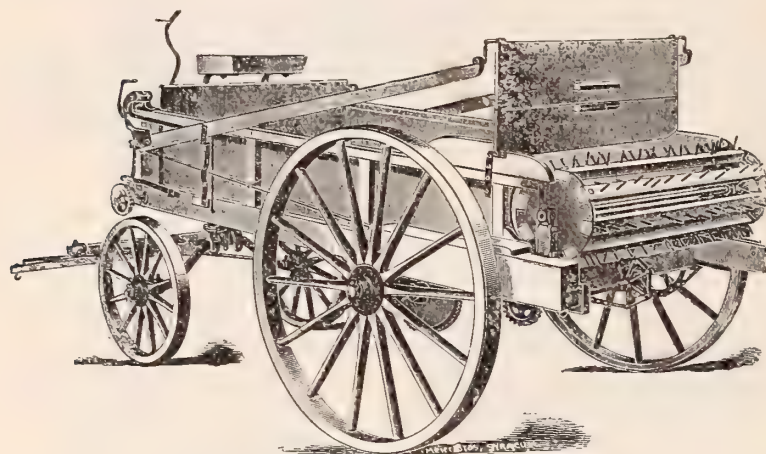
SEND FOR CATALOGUE GIVING FULL PARTICULARS.

Improved Convex Dishorner.....	\$7.50
Leader, Rope and extra Blade, additional.....	1.00
"Bully V" Dishorner.....	8.00
Leader, Rope, and extra Blades, additional...	2.00
Webster Calf Dishorner.....	3.00

Prices Subject to Change without Notice.

Twentieth Century Manure Spreader.

A Twentieth Century Manure and Lime Spreader will pay for itself in a single season's use on an average farm in the labor it saves, to say nothing of the big profits resulting from increased crops. By the economical handling of the manure or lime, the actual value is increased from 15 to 30%. No matter what kind of farming you are doing, you will find a Twentieth Century Spreader a most profitable investment. This machine possesses many valuable features not found on other manure spreaders. Only the best of material is used in its construction. The wood parts are made of thoroughly seasoned ash and selected white wood with three good coats of paint, the castings are of



first quality, the box is tight and equipped with a safety board or end gate which rests just in front of the beater and serves a variety of important purposes. It saves leakage, prevents strain on beater and insures even work. The safety board prevents the beater from clogging. In other machines the load piles up against the beater and thus when the machine is thrown into gear, the result is a breakdown; or, if it stands the strain, it will cast out sometimes as much as two bushels in a heap when the machine starts. In The Twentieth Century Spreader, the machine cannot be thrown into

gear until the safety board is raised and even distribution from the start is certain because the beater attains full speed before the manure reaches it. In the beater mechanism of the Twentieth Century Spreader there is real strength and the rear axle is made extra heavy, as it must not only carry its share of the load but also stand the strain of driving the mechanism; in these two very important features the Twentieth Century is ahead of other makes. The construction of the bottom is exceptionally staunch and rigid. The Twentieth Century Spreader is the handiest machine to operate. By a simple device the operator can instantly and accurately change the feed without leaving his seat. The Twentieth Century is the easiest machine to operate, the simplest, the best built and the most accurate; therefore, it is the machine the progressive farmer wants.

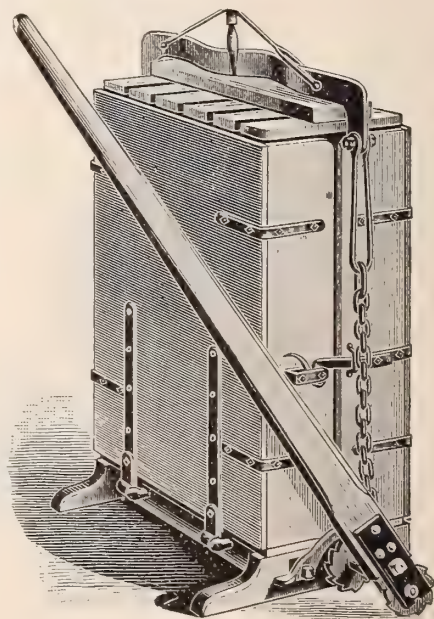
For spreading lime, fertilizer or ashes, we recommend the special gear mentioned below. When operating in windy weather with fine or dry material, you may need the Lime Hood attachment. The Drill Attachment is for manuring in rows. Double trees and Neck Yoke are furnished with machine, Three Horse Eveners are extra. Regular width of tires is 3 in. front and 4 in. rear.

Size A Spreader, capacity 30 bushels.....	\$110.00.
Size B Spreader, capacity 40 bushels.....	115.00.
Size C Spreader, capacity 50 bushels.....	120.00.
Size E Spreader, capacity 80 bushels.....	135.00.
Extras: Lime Hood, \$5.00; Slow Feed for Lime, \$1.50; Hill Brake, \$5.00; Drill Attachment, \$8.00; Three-Horse Eveners, \$4.00.	
Mud Lugs for use on Frozen Ground, \$4.00.	

THE MINNICH HAND-POWER BALING PRESS.

Will turn out more bales with less power than any other hand-press. Warranted unsurpassed for Power, Simplicity, Strength, Durability, Ease and Quickness of Operation. Especially adapted for Hay, Straw, Shucks, Paper, Rags, Cotton Waste and Tobacco stems.

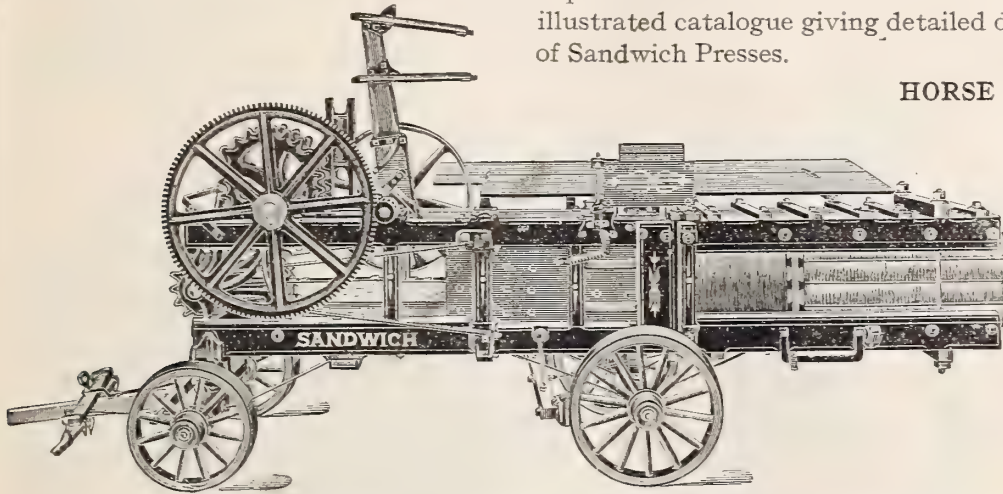
No. 1 makes bale of hay 54x26x24 inches.....	75.00.
No. 2 " " " 44x24x22 " 	72.50.
No. 3 " " " 42x18x20 " 	70.00.



Remember That All Our Machinery is Guaranteed.

The Sandwich Steam Power Baling Press.

In the Hay Presses manufactured by the Sandwich Mfg. Co. are embodied the very latest and greatest achievements in the art of press manufacture. The Press illustrated is a simple, strong steam Baler something that supplies the demand of the farmers. It has a large feed opening, simple and effective self-feeder. It is the safest machine to operate, the movements are slow and powerful and the capacities of the various sizes are very large. Write for illustrated catalogue giving detailed description and prices of Sandwich Presses.



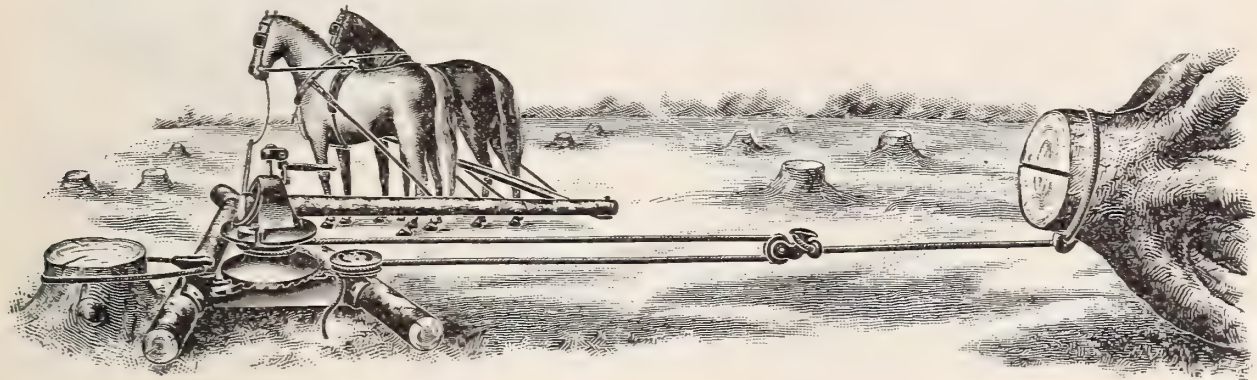
HORSE POWER PRESSES.

The Sandwich Company also makes a fine line of horse power presses, including the following well known styles: Southwick, American, Western, and New Way.

Write for catalogue.

IMPROVED TWENTIETH CENTURY STUMP PULLER.

This machine is made of the very best iron and steel and every part is proportioned to equalize the strain, doing away with surplus weight and adding strength and durability. The manufacturers of this machine are the originators and oldest makers of successful Stump Pullers in the world.



IF YOU HAVE STUMPY LAND, BUY A STUMP PULLER. THE TWENTIETH CENTURY WILL PAY YOU BIG RETURNS.

The Twentieth Century Low Down Drum keeps the cable low so that the team can cross it under any conditions with perfect safety, which means that you can do much more work in a day.

It is the only Stump Puller that works equally well on hillsides, rough or level ground and it is the only machine that swings around the anchor stump into line with the pull rope. It will not tilt up on its edge like other machines. The V shaped platform is the handiest, lightest and best.

The special steel stump puller rope used on the Twentieth Century is made of the finest quality steel and is stronger, tougher, and more durable, than any other cable sold.

The Twentieth Century possesses many other valuable features. Its construction is such that it cannot be broken. It is provided with a new automatic sweep lift. Write for special catalogue.

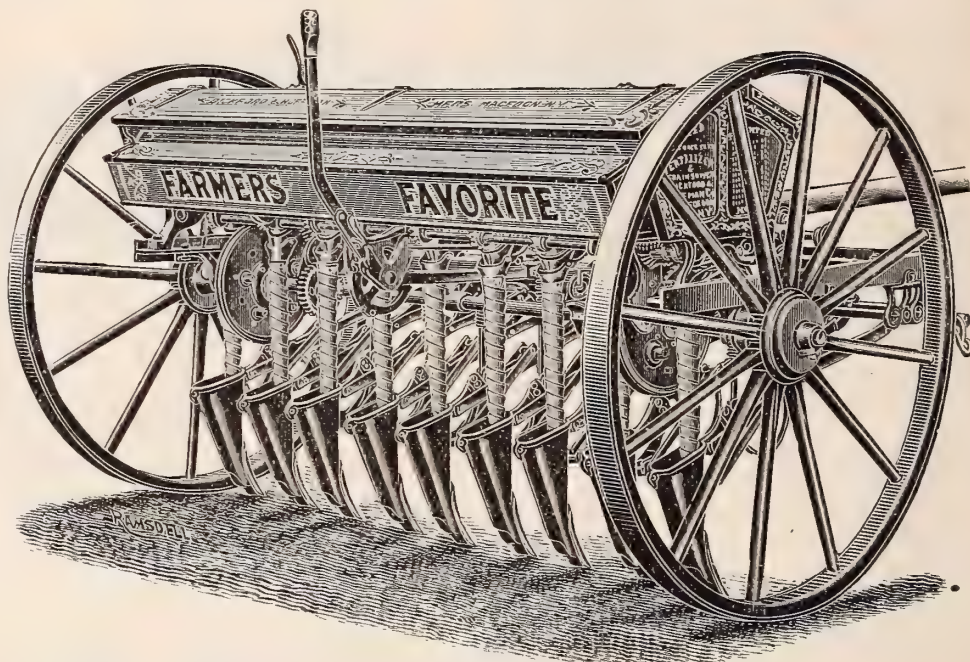
This machine is shipped complete with our 25 ft. patent anchor rope 1 in. in diameter, 150 ft. Pull Rope, 3/4 in. in diameter; one No. 10 Snatch Block with 50 ft. of 1 in. rope attached; one short Anchor Loop for light pulling; one automatic sweep lift, pawl, key, the necessary bolts, and everything except the cross-poles and sweep, the latter being cut in the timber where the machine is to work. Shipping weight, 600lbs. Price, \$100.00. Lighter machines at lower prices.

Write for Special Catalogue of Twentieth Century Stump Puller and Smaller Sizes.

Bickford & Huffman Company's Farmers' Favorite Grain and Fertilizer Drills.

The Bickford & Huffman Grain Drill has made for itself an enviable reputation. The Farmers' Favorite is not a low-priced drill but it is the cheapest by far in the end. It is built on honor and will outwear three cheap drills. For durability, finish and general excellence it stands unequalled. By actual dynamometric tests it has been proven that this machine runs 150 pounds lighter than any other drill of the same size and class. Sows Wheat, Rye, Flax, Millet, Beets, Buckwheat, Peas, Beans, Corn and Grass Seed. The Farmers' Favorite drill has more good features than any other and they are important features, which give the drill that peculiar excellence which has justly earned for it the reputation of being the very best grain and fertilizer drill in the world. We briefly enumerate below the principal characteristics.

Accurate Grain Distribution. This should be the first consideration. The double force feed grain distributors sow all kinds of grain equally well and uniformly. The Farmers' Favor-



ite Drill does not bunch, clog or skip in operating. With it your grain will be put in right. A simple and accurate device for changing the quantity sown and the widest range of quantities.

The Wizard Perfected Fertilizer Feed. This is a simple, positive force feed which handles all varieties of commercial fertilizer in an excellent manner. Quantity regulated by lever.

High Carbon Angle Steel Frame. Constructed with a view to saving weight and possessing maximum strength; very rigid. The steel bed piece is reinforced with a stiff hard wood filling.

Steel Ribbon Grain Tubes, The tube is made of one continuous piece of ribbon steel, helically rolled, perfectly flexible and perfectly collapsable. They cannot buckle or stop the flow of grain or fertilizer. There is nothing else like them; far superior to rubber tubes which will buckle and have to be replaced at frequent intervals. Far superior to tin and leather combinations.

Extension Chilled Hubs. Did you ever see a grain drill with the wheels falling in at the top and rubbing the box. By the chilled hub extension the permanence of the wheel alignment is assured.

Roller Bearings. The draft of the Farmers' Favorite has always been light, but by the application of anti-friction roller bearings in which the hub extension revolves the draft is further reduced.

Wheels. The ground wheels of the Farmers' Favorite Drill are substantially made of the most carefully selected lumber of highest grade, with three inch tires of soft welding steel.

Other Features. Among the other prominent good points of the Farmers' Favorite Drill may be mentioned: Accurate Land Surveyor, Reliable Zig Zag or Hoe Shifter Device, Force Feed Grass Seeder, Riveted Drag Bar Clips, with no bolts to work loose, and Perfected Corn and Bean Planting.

FOR DESCRIPTION AND PRICES OF FARMERS' FAVORITE DISC DRILLS, SEE NEXT PAGE.

PRICE LIST OF HOE DRILLS.

Eight Hoe Grain and Fertilizer Drill.....	with spring hoes	\$75.00	With Pin Hoes	\$70.00
Nine Hoe Grain and Fertilizer Drill.....	" " "	80.00	" " "	75 00
Ten Hoe Grain and Fertilizer Drill.....	" " "	85.00	" " "	80.00
Eleven Hoe Grain and Fertilizer Drill.....	" " "	90.00	" " "	85.00

Bickford and Huffman Drills are held in Highest Esteem by the most intelligent Farmers.

The B. & H. Farmers' Favorite Disc Drill.

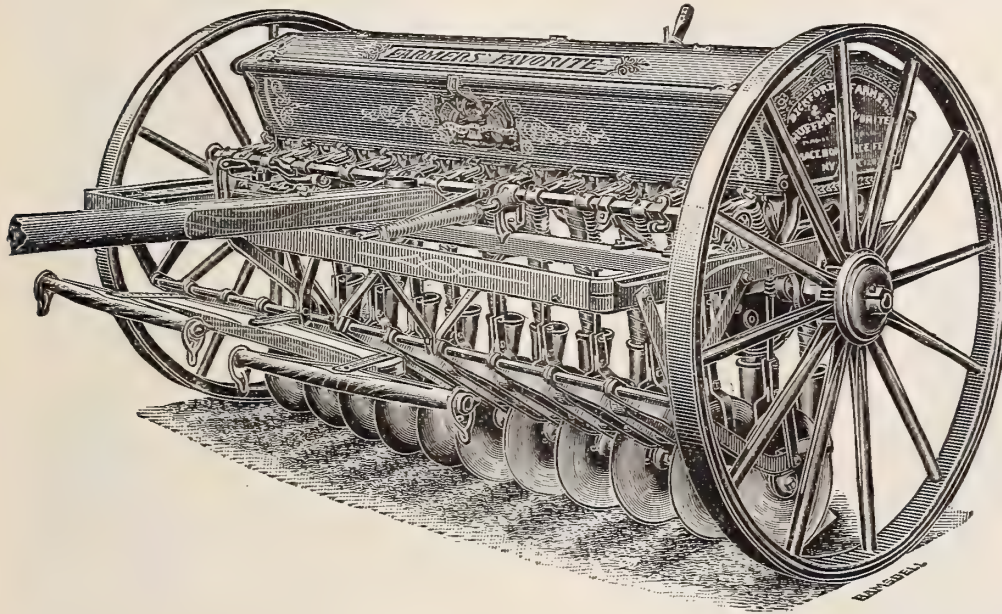
Do not buy a Disc Drill that makes a narrow V shaped seed bed, into which the grain is crowded. We use on the Farmers' Favorite Disc Drill, the famous "Plowfur" Disc which was invented by the Bickford & Huffman people and which is the only drill disc that we know of that will properly prepare the seed bed by opening a broad furrow to receive the grain. This is the most successful of all disc drills. It has double drag bars, insuring stability, strength and reliability. Chilled Hub Bushing, the hardest to wear out and the easiest to replace—can be renewed for five cents. The Disc

Drill has come to stay and the Farmers' Favorite is the most correct Disc Drill ever offered. Farmers will obtain better results with it than with any other make.

PRICES.

8 Disc Drill.	\$80.00
9 Disc Drill.	85.00
10 Disc Drill	90.00
11 Disc Drill	95.00

Disc and Hoes take the same frame and are interchangeable.

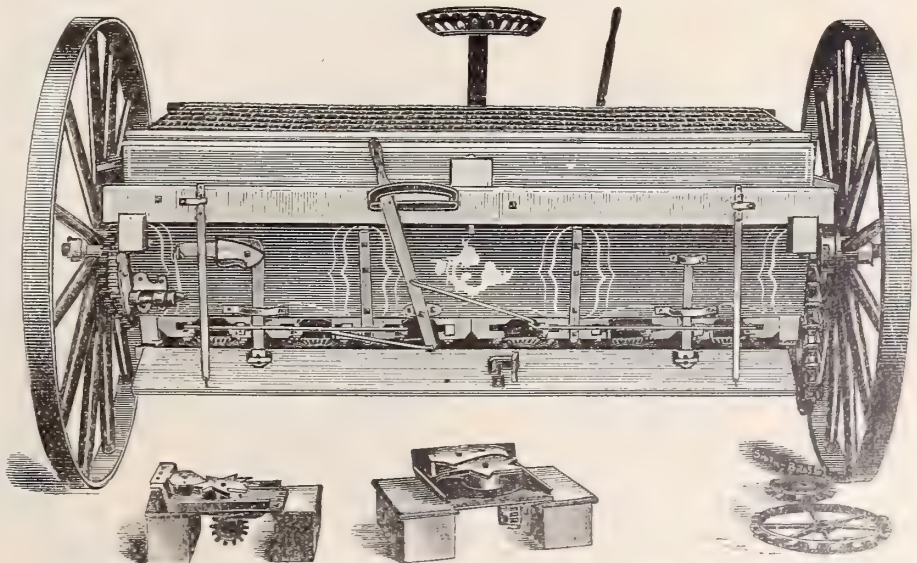


WITH THE EXCEPTION OF THE DISC FEATURE, THE FARMERS' FAVORITE DISC DRILL IS IN EVERY WAY IDENTICAL WITH THE FARMERS' FAVORITE GRAIN AND FERTILIZER HOE DRILL AND POSSESSES THE SAME MERITORIOUS FEATURES.

Spangler Lime and Fertilizer Distributor.

The machine which we illustrate below is one we have handled for a number of years and we have no hesitation about recommending it to our trade as thoroughly practical and a great time and labor saver. It is built of selected material in a strong and substantial manner and will give long and satisfactory service. It can be regulated to sow from fifteen to eighty bushels per acre; it has six feeds and will spread the lime $7\frac{1}{2}$ feet wide. It is not easy to spread lime by hand and a great deal of lime is wasted by uneven spreading. By spreading the lime to best advantage and effecting an economy thereby, a Spangler Lime Spreader will soon pay for itself, to say nothing of the saving of time and labor. The lime falls but a few inches, thus avoiding dust to either driver or horses. Will also broadcast Commercial Fertilizers or Ashes.

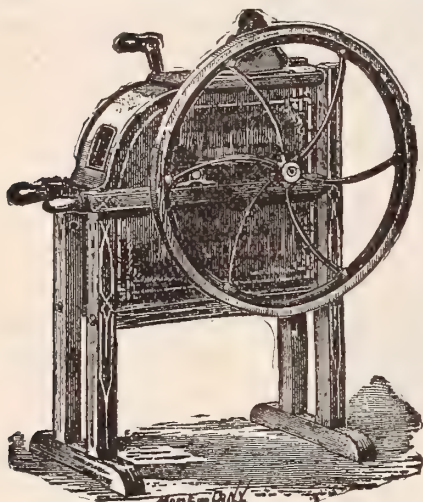
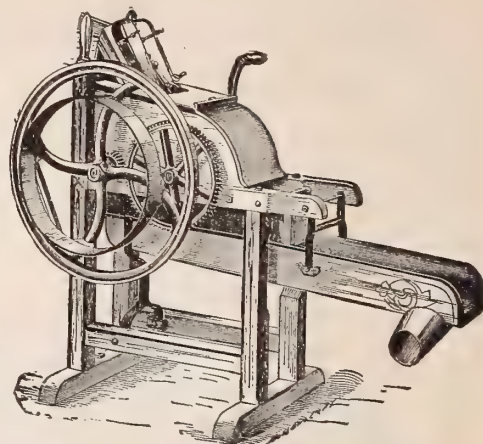
Price..... \$70.00



Special Catalogues furnished on application.

"Lambersd No. 3" Double Spout Corn Sheller.

While this Sheller is used principally as a hand machine, still it is admirably adapted for light power and is provided with a pulley for that purpose. We have made a leader of this Sheller for several years and recommend it to our customers as a Sheller excelling in the matter of convenience and up-to-date workmanship. The parts throughout are of selected material, made extra heavy and very strong. Well put together and nicely finished. Cold rolled steel shafts and steel shaker pitman. Journal boxes are made in two parts and can be adjusted to take up wear. This Sheller does rapid work, having a capacity of 500 to 600 bushels per day. Price, with shaker, \$15.00.



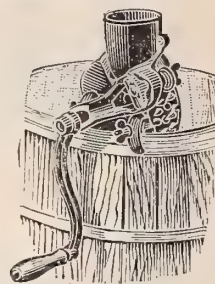
LAMBERD NO. 2 SHELLER.

"Lambersd No. 2" Single Spout Corn Sheller.

This very popular Sheller is well made, light running and will give good service. It has large balance wheel with heavy rim and wrought iron spokes. The journal boxes are engine bored and bolted to hard wood frames. Handsomely finished. Separates corn from cob. Price, without fan, \$6.50; with fan, \$7.00.

"Lambersd No. 1" Corn Sheller.

A very good and reliable Single Spout Sheller, strongly built and neatly finished; it separates the corn from the cob. Although low in price it will give satisfaction. Price, \$5.50.



RED CHIEF CORN SHELLER.

"Red Chief" Corn Sheller.

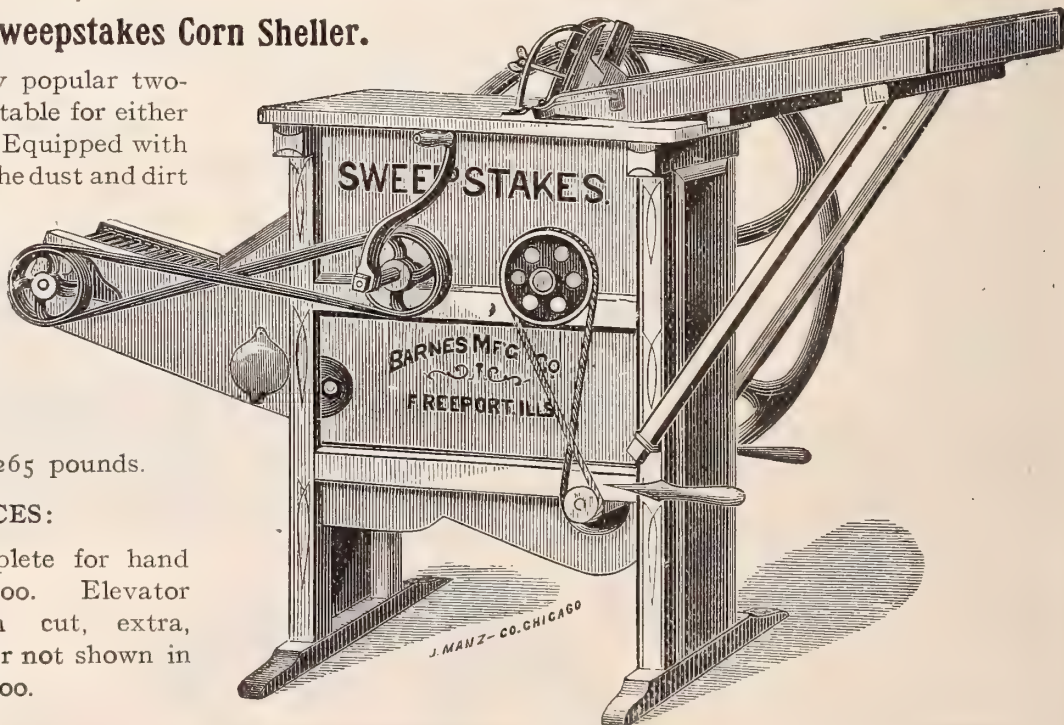
This is undoubtedly the best sheller of its class. It has a suitable device for adjusting it to take either large or small ears and do good work with either. It readily attaches to barrel or box and is just the thing for persons who have but a small quantity of corn to shell. Price, 1.50.

The Sweepstakes Corn Sheller.

This is a very popular two-hole sheller suitable for either hand or power. Equipped with a fan to blow the dust and dirt from the shelled corn and device for carrying off the cobs. Capacity per hour, 40 bushels. Can be regulated for different size ears. Weight 265 pounds.

PRICES:

Sheller complete for hand or power, \$25.00. Elevator not shown in cut, extra, \$10.00. Bagger not shown in cut, extra, \$12.00.



Prices Subject to Change Without Notice.

Lamerd Double Cage Cider Mill.

A fast working mill that does thorough work. Built in three sizes, the Senior has a capacity of from four to six barrels per day while the Junior has hardly half this capacity. Made of best material and nicely finished, These Mills are unsurpassed in ease of operation and capacity. The fruit is thoroughly mashed before being delivered to the tubs and all of the juice is readily extracted.

PRICES:

Junior (Small) . . . \$15.00. Medium \$18.00.
Senior (Large) . . . \$22.00.

"Iamit" Cider Mill.

This is an improved pattern of the old Hutchin-

son Single Cage Cider Mill. The enlarged hopper can be noticed by the illustration. This change is made to give a larger feed opening, as the small hopper and throat are the principal objections to the Hutchinson Mill. Equipped with a heavy fly wheel which adds to the steadiness and ease with which it can be operated.

Price \$10.00.

Berry Presses.

For pressing juice from grapes and berries for wine, it is a very handy machine, it is well made of good material and will do satisfactory work. Made in three sizes.

PRICES:

No. 1, \$5.00. No. 2, \$5.50.
No. 3, \$7.50.

Enterprise Lard and Fruit Press and Sausage Stuffer.

Made entirely of steel, iron and tin.
Thousands in use. Circular
on application.

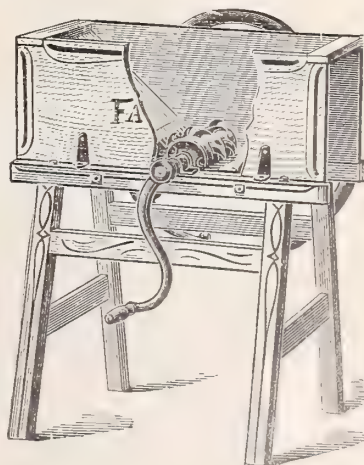
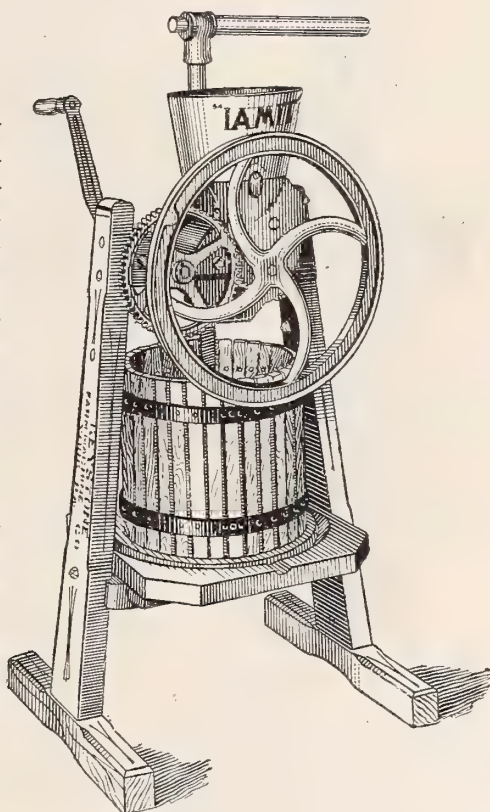
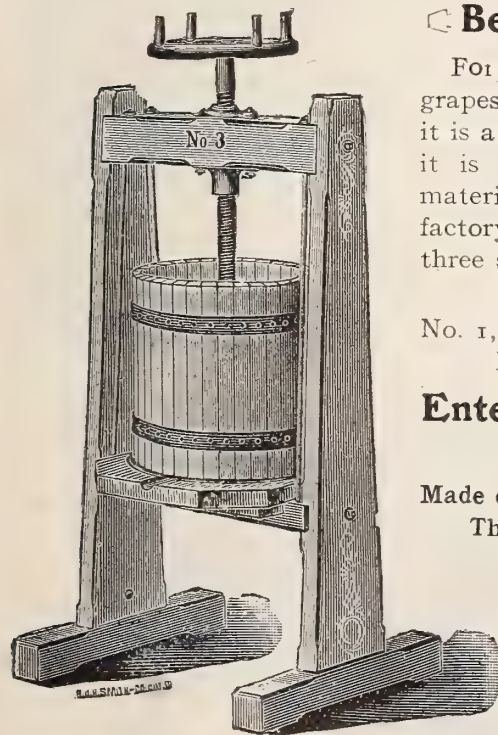
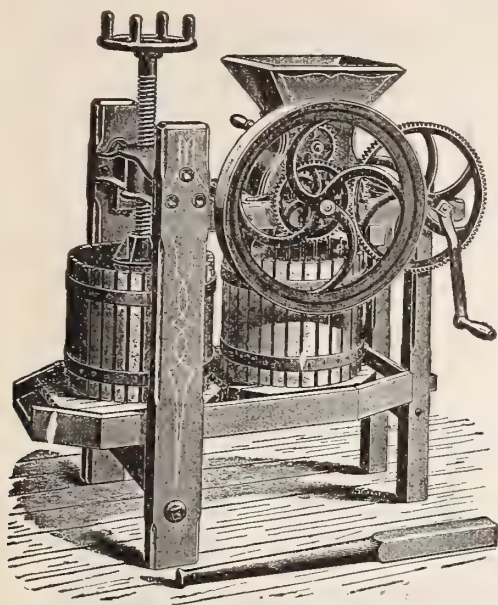
No. 15. 2 quart. . . . \$3.50
No. 25. 4 quart. . . . 4.25
No. 35. 8 quart. . . . 5.50

The above are japanned machines; for tinned machines, add 50c.

Favorite Root Cutter.

For preparing roots and vegetables for stock feeding. A very useful machine for poultrymen. It is simple, does excellent work and is well made, low in price, quickly pays for itself. Price, \$7.50.

Our Machines are Guaranteed to be as Represented.



Smalley Hay, Ensilage and Fodder Cutters.

We have been fortunate in securing the agency for the celebrated Smalley Line of Cutters, which are unquestionably the best working and strongest machines of any on the market. We mention below some of the meritorious features.

The Wood Work is of selected seasoned hard wood and very heavy and substantial. When viewed side by side with other machines the superiority of the Smalley wood work is seen at a glance.

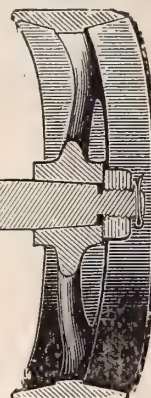
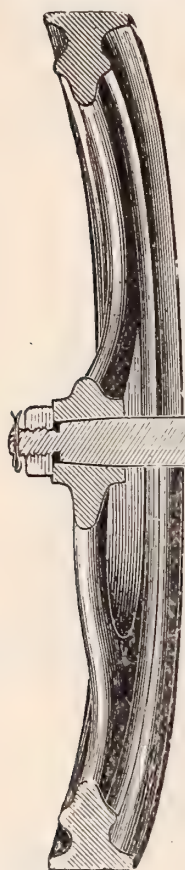
The Pillow Blocks on which the main shaft revolves are extra heavy iron pieces, having well bab-bitted boxes. **The shafts** are heavy and of cold rolled steel, warranted true and perfect.

The Cutting Plate is of hardened steel on a heavy cast back. The plate has four cutting edges so as to give a great amount of wear. All gears are effectively covered by cast hoods.

The Knives are heavy and of best material. The backs are wrought iron with a thick steel surface rolled on. Every knife is fully warranted to be perfect in construction and temper. All castings are of the best mixture of iron and carefully inspected before being placed on machine.

SMALLEY SAFETY FLY WHEEL AND PULLEY.

The simplest and most efficient fly wheel and pulley on the



market. The cut above illustrates the construction. It works every time foreign matter comes in contact with the knives. The arrangement consists simply of tapered ends on the shaft with threads cut right and left. The bore in the fly wheel and pulley is tapered to fit shaft and they are drawn tight by means of nuts; there are no set screws or keys. Outside the nut and a little distance away from it is a spring cotter through the shaft which allows the nut to loosen but keeps it from falling off. When the knives strike an obstruction the hubs of the fly wheel and pulley rub against the nuts, the friction turning them sufficiently to loosen both the fly wheel and pulley. This instantly stops the knives and permits the fly wheel and pulley to expend their momentum by revolving loosely on the shaft. It is a simple, scientific device and **It Will Work.**

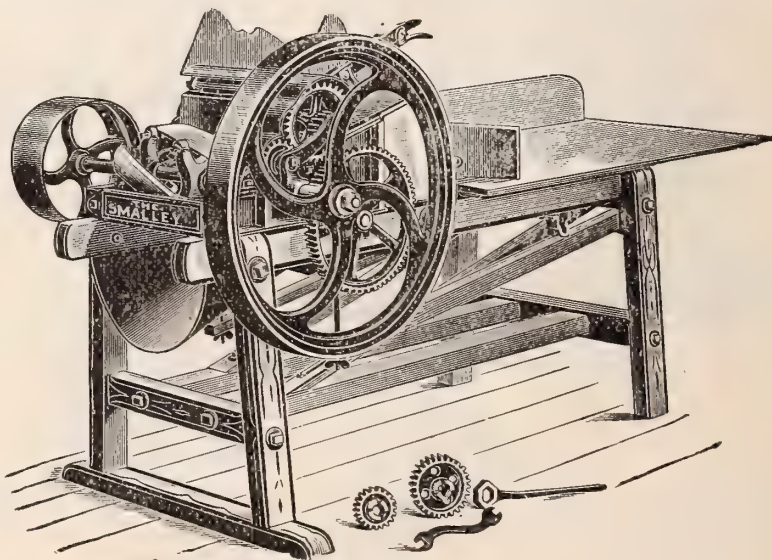
The Fly Wheels are unusually heavy, materially assisting the cutter when doing heavy work. Every wheel is perfectly balanced, which does away with the jerky, trembling motion often found in other makes of cutters. **Smalley Cutters are Heavier and Stronger than any other Cutters Made.**

NOVEL ROLLER DEVICE.

By a novel combination of gears, sprockets and chain we obtain the strongest and best working roller driving mechanism. The rollers oscillate freely and adjust themselves to cutting where they must raise higher at one end than the other. They act well in all kinds of cutting.

UNIQUE SAFETY LEVER.

By raising the lever a trifle the feed rollers instantly stop, which is of great importance, should the operator get his hand or clothing caught in the machine. Another advantage is that if the speed of the machine is run down, by raising the lever the operator can run it empty a few revolutions and recover speed.



NO. 16 CUTTER.

Send for Smalley Special Catalogue.

Table of Capacities, Required Power, Prices, Etc. of Smalley Cutters.

Size.	Knives	Weight.	Speed	Power Required.	Capacity per hour Ensilage	Dry Fodder.	With Plain Table.	With Self Feed.
No. 9	4-9 in.	350 lbs.	500 Rev.	1-2 h. p.	1-2 tons	750-1000 lbs.	\$ 40.00	
No. 10	4-10 in.	360 "	500 "	2-3 "	2-3 "	1000-1500 "	50.00	
No. 12	4-12 in.	660 "	500 "	3-4 "	4-6 "	1½-3 tons	65.00	\$90.00
No. 14	4-14 in.	700 "	500 "	5-6 "	5-6 "	2-3 "	80.00	105.00
No. 16	4-16 in.	770 "	500 "	5-6 "	6-8 "	2-3 "	90.00	120.00
No. 18	4-18 in.	850 "	500 "	6-7 "	8-10 "	3-4 "	115.00	150.00
No. 20	4-20 in.	1400 "	500 "	10 "	10-15 "	5-6 "	160.00	200.00
No. 26	4-26 in.	1600 "	500 "	12 "	15-20 "	6-8 "	200.00	250.00

WE ALLOW A DISCOUNT OF 20% FROM ABOVE PRICES.

The above cutters are all equipped with three lengths of cut, $\frac{1}{4}$, $\frac{1}{2}$, and 1 inch. Special lengths of cut furnished on order. No. 9 and No. 10 cutters are furnished with hand power attachment if desired at a slight additional cost. Although they are not regular hand cutters.

PRICES AND DESCRIPTION OF SMALLEY SHREDDER HEAD WILL BE FOUND ON PAGE 106.

No. 20 AND No. 26 SMALLEY CUTTERS.

These two machines are so heavy and strong that it is almost impossible for breakage to occur. All of the castings and frame are extra heavy, they have 2½ in. cold rolled shafts with wide bearings and three malleable iron knife heads. We recommend them to any one who wishes an extra heavy machine suitable for very hard usage.

Smalley No. 18 Special Cutter.

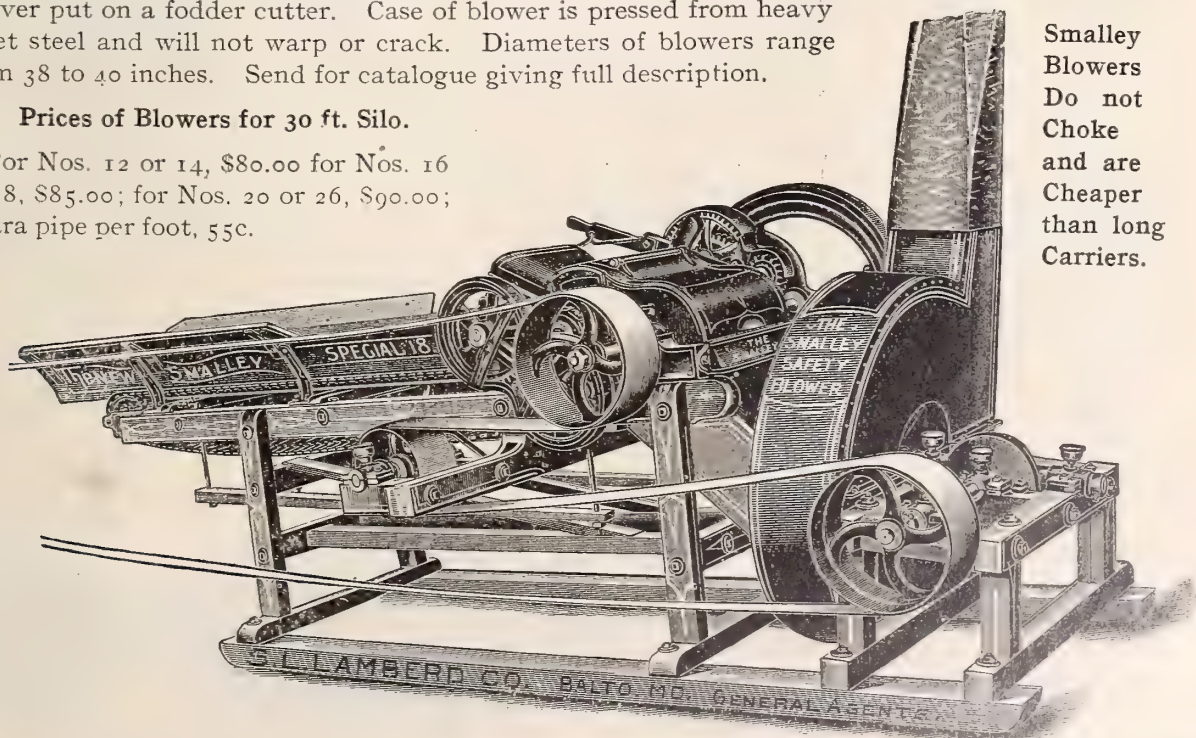
This is an extra strong cutter, the latest machine the company has gotten out. The main shaft is 1 7-8 inches cold rolled steel; three knife heads are used; the gears, lever and quadrant are similar to those of the Number 26, and are, we believe, heavier than are used on any other make of machine. Built with self feed with flaring sides. This machine is designed as a cutter as nearly perfect as possible that can be sold at a slight advance over the price of the regular No. 18 machine. An illustration of the No. 18 special will be found on this page in connection with the Smalley Blower. Capacity 12 to 15 tons of ensilage per hour; speed, 500 revolutions; weight, 1275 lbs.; price, \$175.00 subject to discount of 20%.

SMALLEY SAFETY SLOW SPEED BLOWER, LIGHT RUNNING. LARGE CAPACITY.

The simplest, lightest running, safest and in every way the best blower ever put on a fodder cutter. Case of blower is pressed from heavy sheet steel and will not warp or crack. Diameters of blowers range from 38 to 40 inches. Send for catalogue giving full description.

Prices of Blowers for 30 ft. Silo.

For Nos. 12 or 14, \$80.00 for Nos. 16 or 18, \$85.00; for Nos. 20 or 26, \$90.00; Extra pipe per foot, 55c.



**Smalley
Blowers
Do not
Choke
and are
Cheaper
than long
Carriers.**

Smalley Cutters are the Best on Earth.

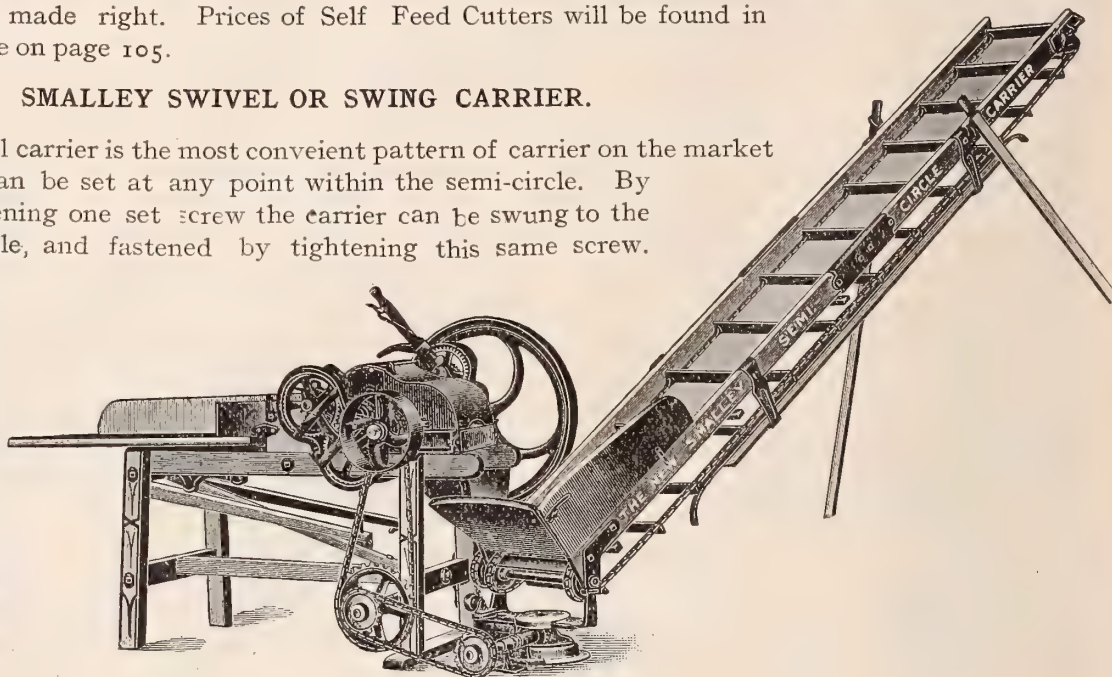
Smalley Self Feed Cutters.

The Traveling Feed Table of the Smalley Self Feed Cutters, makes the feed come to the rolls continuously and increases the capacity of the cutter about one-third. On large machines it saves one man at the machine. The Smalley Self Feed, like everything else that bears the name Smalley, is made right. Prices of Self Feed Cutters will be found in general table on page 105.

SMALLEY SWIVEL OR SWING CARRIER.

The swivel carrier is the most convenient pattern of carrier on the market because it can be set at any point within the semi-circle. By simply loosening one set screw the carrier can be swung to the desired angle, and fastened by tightening this same screw.

The gears are neatly encased in iron, and an oil tube reaching from the top to gears makes it easy to oil them even when in motion.



PRICES.

14 ft. carrier for No. 9.....	\$27.00	14 ft. carrier for No. 16.....	\$33.00
14 ft. carrier for No. 10.....	28.00	14 ft. carrier for No. 18.....	35.00
14 ft. carrier for No. 12.....	30.00	14 ft. carrier for No. 20.....	42.00
14 ft. carrier for No. 14.....	31.00	14 ft. carrier for No. 26.....	50.00

Prices per foot for each additional foot over 14 ft: For 9 or 10, \$1.20 per foot; for No. 12 or 14, \$1.35; for No. 16 or 18 \$1.50 per ft.; for No. 20 or 26, \$1.85 per ft.

SMALLEY IMPROVED SHREDDER.

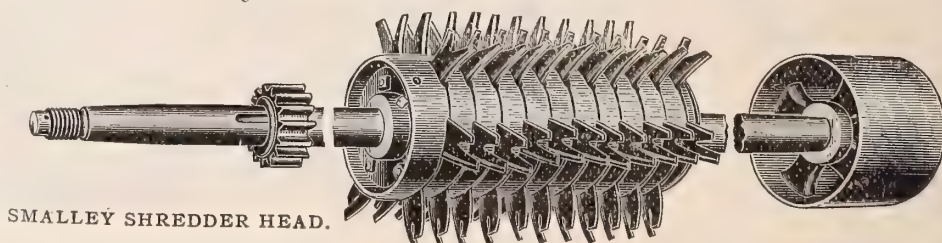
The Smalley Shredder head is made in sizes to fit any of our power cutters and is positively guaranteed to place fodder in better condition for feeding than will any other shredder. It can be run at a low rate of speed, consequently takes little power, and as the knives are adjustable they can be used until completely worn out. Every stalk passing through the machine is thoroughly shredded into nice, soft fodder, every part of which can be eaten by the cattle. We guarantee that ours will do more and better work than any shredder on earth with the same power, and outlast a dozen of the circular saw pattern. These machines should be speeded from 700 to 900 revolutions per minute. They have about three-fourths the capacity of cutters, size for size, and about one-third more power is required to operate them.

PRICES OF SHREDDER HEADS.

No. 9.....	\$20.00	No. 10.....	\$21.00
No. 12.....	28.00	No. 14.....	30.00
No. 16.....	35.00	No. 18.....	40.00
No. 20.....	50.00	No. 26.....	60.00

Snapping Rolls.

Smalley cutters can be furnished with Special Snapping Rolls. Catalogue sent on application.



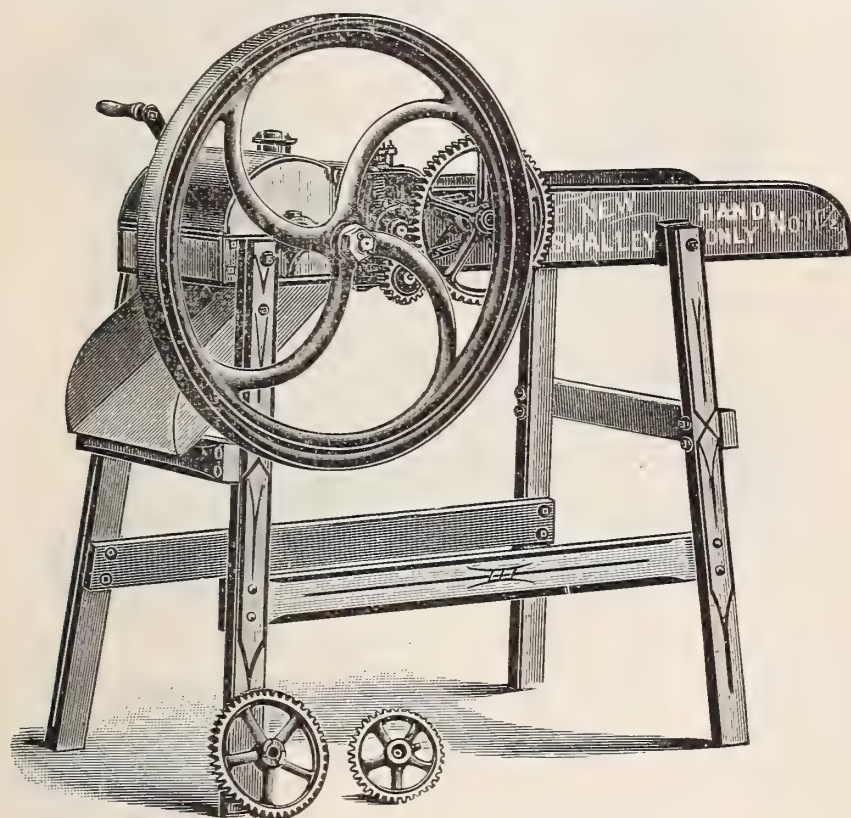
SMALLEY SHREDDER HEAD.

Smalley Cutters are Reliable. The Lowest Priced Machines are not always the Cheapest.

The New Smalley 11½ Inch Cutter.

Warranted the Best and Most Rapid Hand-Power Feed Cutter on Earth. The only Hand Cutter Made with a Perfect Safety Fly-Wheel.

This machine is provided with two 11½ steel knives, securely fastened to solid heads. Like all our machines, it has a down cut. Set screws go through the head to back of knives, making an easy adjustment to compensate for wear on the blades. This machine is provided with a 60-lb. patent safety fly wheel which comes loose if foreign matter is brought in contact with the knives.



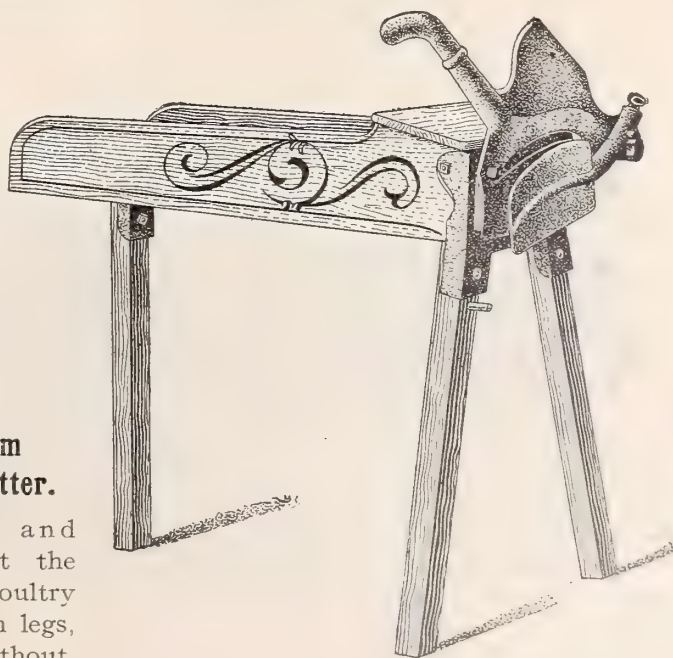
The frame is hardwood, sufficiently braced and bolted to stand the strain, and is neatly painted and finished. This cutter is one of our best sellers and we do not hesitate to guarantee it as the best hand power machine on the market. Capacity per hour, green fodder, 600 to 800 lbs.; dry fodder, 300 to 400 lbs. Weight, 205 lbs. Price complete with gears to cut, ¼, ½ and ¾ inch, \$18.00.

We furnish, if desired, a pulley to attach to fly wheel so that cutter can be driven by light power. As this machine has safety fly wheel, it is safer to use it with power than other hand cutter although we do not recommend it as strictly a power machine. Price of fly wheel pulley complete, \$1.50.

Superior Lever Cutter.†

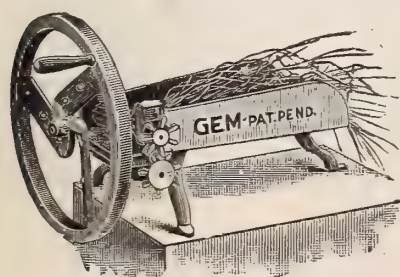
This is an excellent machine, suitable for those having little stock and who do not feel that they have sufficient need for a cutter to justify the purchase of a No. 11½.

Among the merits of this cutter are that it is simple, durable, handsome and low priced. It has an 11-in. tempered ½ curved knife, which can be adjusted to take up all wear, thus insuring a perfect shear cut at all times. It is suitable for Hay, Straw and Fodder. Weight, 40lbs. Price \$3.50.



The Gem Clover Cutter.

All iron and Steel. Just the thing for Poultry men. With legs, \$10.00; without, Legs, \$9.00.



SMALLEY CHAMPION SLIDE TABLE SAW.

A splendid machine. The frame is constructed of 4 in. hardwood, mortised and bolted. The arbor is 1 5/8 in. cold rolled steel. The distance from fly wheel to saw is 3 ft. 1 1/2 in. The table operates on rollers which run on a grooved and smooth track, and a cast guide keeps it in position. An iron counter-balance, not shown in cut, is furnished. This is attached by a rope to the table, and brings it back to position when the cut is made. The machine is furnished with a guard, as shown in cut. The saw blade is the very best obtainable and will be replaced free if found defective. Left-handed machines, as shown in cut, furnished unless otherwise ordered.

Weight, 400 lbs. Speed, 1000 revolutions per minute when a 24 in. saw is used.

With 22 in. saw.....\$30.00

With 24 in. saw.....\$32.00

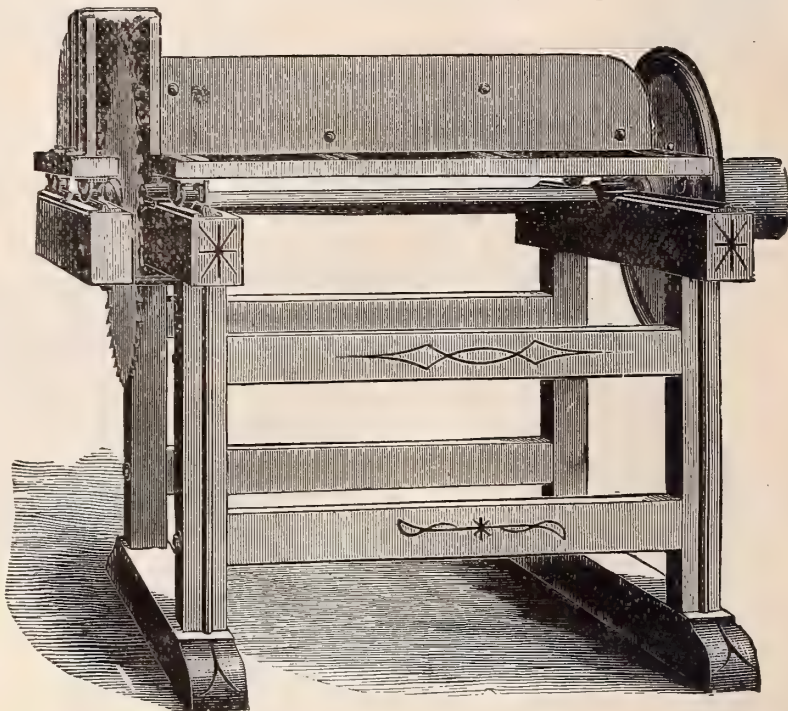
With 26 in. saw..... 34.00

With 28 in. saw..... 36.00

Swinging tables at same prices.

NEW PATTERN POLE SAW.

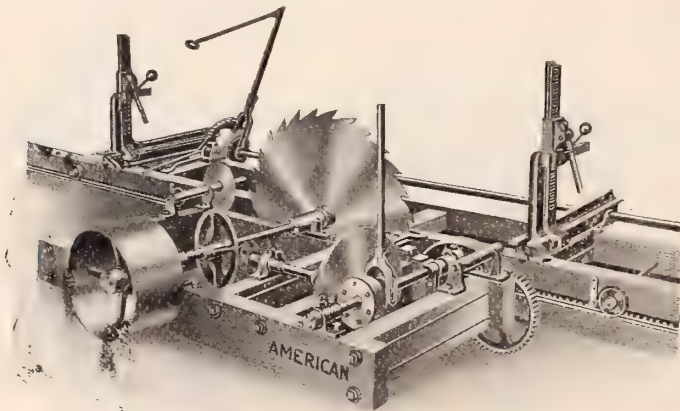
With balance-wheel underneath, out of the way. Just the thing for sawing poles. Price complete, with 26 in. blade, \$40.00.



The American Improved Variable Friction Feed Saw Mill.

Combines all the best features that have for many years entered into the construction of circular saw mills. It is the simplest, easy to keep in repair and easy to handle.

Feeds. A choice of two feeds is given although we recommend Bevel Frictions, these insure a positive motion and maintain a wide range of Feed Variation. The feed is **positive**, there is no slipping of frictions under any conditions.



Husk Frames and carriages are of best selected timber, heavy enough to stand hard usage and very strong in construction.

Trucks. Trucks are of large diameter, with best steel axles, running in self-oiling, babbitted boxes, with ample provision for taking up all lost motion and **accurately turned to perfectly fit the guide track.**

Track. Rolled Steel, in 12 ft. sections and furnished with suitable holding down spikes.

Feed Levers and Dogs. Of greatly improved pattern.

Set Works. What other manufacturers have secured by two or three levers, we have secured by one. Two or three pulls of the lever will recede the blocks as far as is usually required.

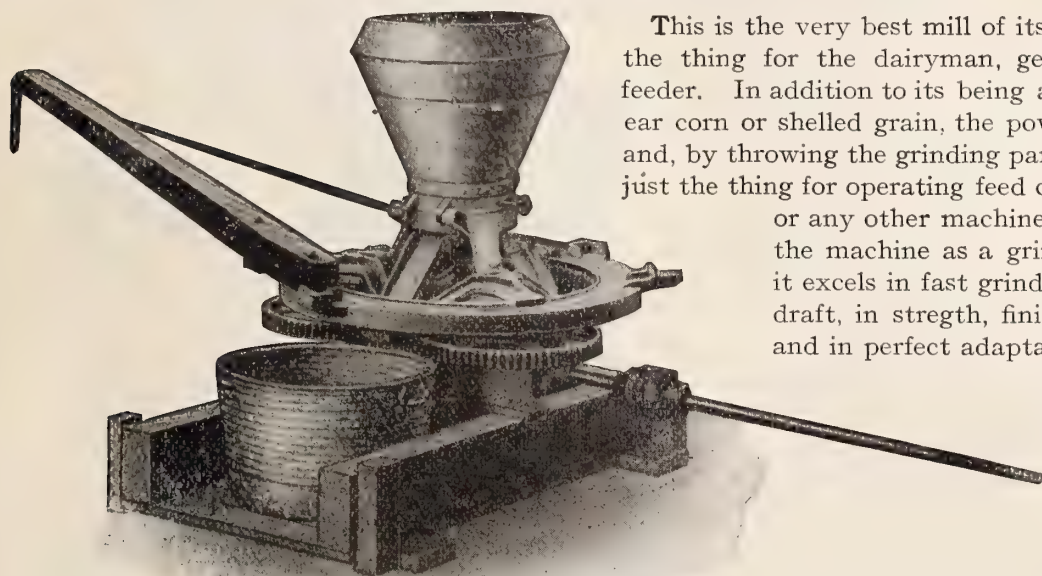
Carriage Drives. All our Standard Mills are furnished with rack and pinion carriage drive. Manila Rope Drive will be supplied, if preferred, without extra charge. Wire Cable Drive at a slight additional cost.

We have not room here to go into more detailed description of these mills; but, if anyone interested will drop us a card, we will mail a special catalogue giving detailed description.

Prices Subject to Change Without Notice.

Ideal Feed Mill and Power Combined.

SOLD AS AN EAR CORN GRINDER OR FOR SHELLED GRAIN ONLY,
AS PURCHASER SELECTS. FOR 2 OR 4 HORSES.



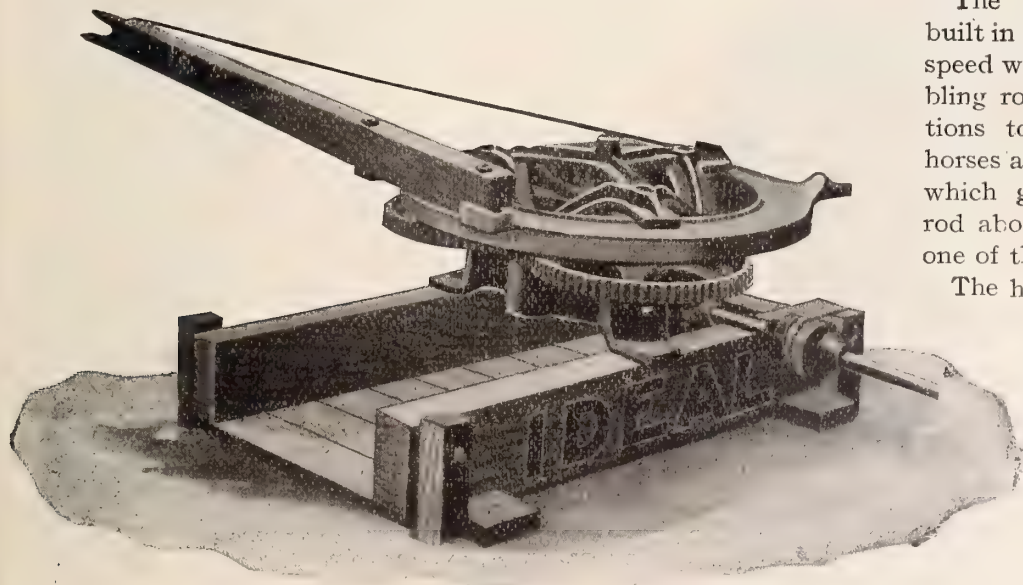
This is the very best mill of its kind. It is just the thing for the dairyman, general farmer and feeder. In addition to its being a grinding mill for ear corn or shelled grain, the power is very strong and, by throwing the grinding part out of gear, it is just the thing for operating feed cutters, wood saws or any other machinery. In regard to the machine as a grinder will say that it excels in fast grinding, in lightness of draft, in strength, finish and durability and in perfect adaptability for grinding

all kinds of grain into coarse, medium or fine chop. Capacity: Ear corn, 6-10 bu. per hour; shelled grain, 8-15 bu.

No. 15	Mill and Power combined, for shelled grain only, with one sweep.....	\$50.00
No. 25A	Mill and Power combined, for ear corn, with two sweeps.....	62.50
No. 45	Shelled Grain Head for No. 25A Mill.....	5.00
No. 43	Extra Sweeps for either Mill.....	3.50

Ideal 2-Horse and 4-Horse Powers.

These excellent triple geared powers have been on the market a long while and have made a splendid record. They are celebrated for their strength, ease of operation, durability and great power developing qualities. No system of gearing equals the triple gear. It balances the power perfectly, distributes the strain equally and makes speed at the least expense of power.



The 2-Horse Power is built in two ways; with high speed which gives the tumbling rod about 58 revolutions to one round of the horses and with slow speed which gives the tumbling rod about 8 revolutions to one of the horses.

The high speed of the 4-horse power gives the tumbling rod 76 revolutions and the slow speed 11 revolutions to one round of the horses.

Price of two-Horse Power, with one sweep..	\$35.00; with two sweeps.....	\$38.00
Price of Four-Horse Power, with two sweeps	55.00; with three sweeps.....	60.00

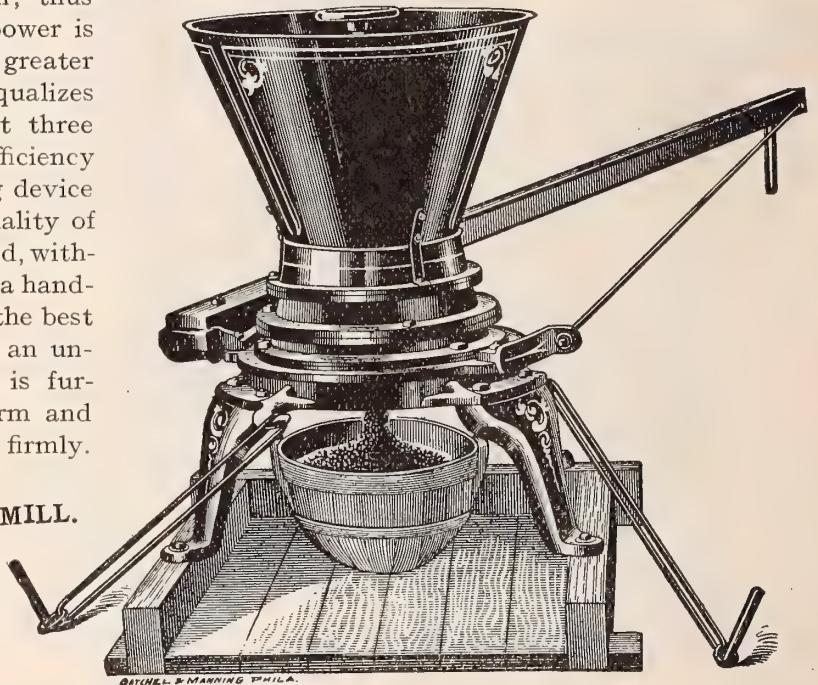
Send for Special Feed Mill Catalogue.

TRIPLE-GEARED CORN AND COB MILL.

We offer this mill, as a successful, fast working geared two-horse mill for grinding ear corn, shelled corn, wheat or oats. It will grind ear corn into a good grade of chop at the rate of six to twelve bushels per hour, depending on the grade of chop and condition of corn. Small grains take a special grinding ring. The sweep or lever is attached to a large internal geared master wheel into the teeth of which three strong pinions mesh and through these pinions motion is given to the pinion on the shaft which carries one of the grinding plates. The other plate is attached to master wheel and moves in a contrary direction; thus greater speed without increase of power is produced, which necessarily gives greater capacity. The triple gearing equalizes the strain on the shaft pinion at three different points, and adds to the efficiency of the mill. The ear corn crushing device is simple and excellent and the quality of feed to be ground is easily regulated, without stopping the team, by means of a hand-screw. The grinding plates are of the best mixtures of White iron and stand an unusual amount of wear. Each mill is furnished as illustrated, with platform and guy irons and can be staked firmly. Price, \$30.00.

TWO-HORSE UNGEARED FEED MILL.

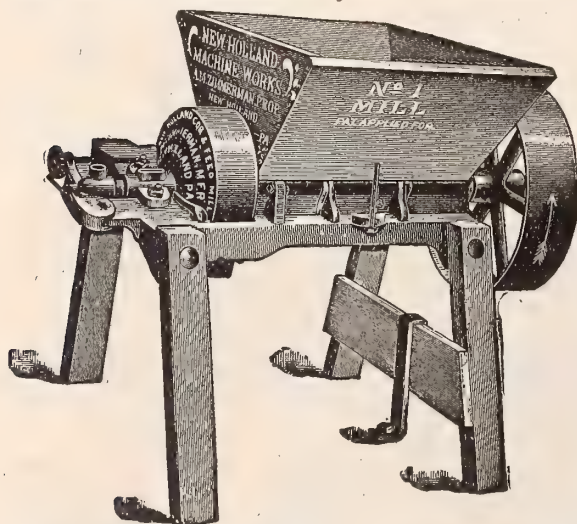
A low price sweep mill for grinding ear corn or shelled grains. It does its work in fine fashion. Send for special catalogue, which fully describes it. Price, \$25.00.



New Holland Grinding Mills for Ear Corn or Shelled Grain.

These very popular and excellent working Mills have a decided point in their favor and that is, that while doing excellent and fast work, they are slow speed machines, a factor for reducing friction, and operate with less power than any other mill we know of. By a peculiar construction, the ears are not crushed by main force as in other mills. The lugs of the cob grinders are placed

spirally on the shaft, so that not more than one or two will catch the ears of corn at one time, and being short they pierce and break out pieces of the ear and thus gradually reduce it. Having large pulleys and no extra shafts, belts, chain or cog gearing, the draft is made the lightest possible. Simplicity and durability are the keynotes in the construction of these mills. The frame is in one casting and there is only one shaft; the cob grinders and grinding plates are all on this shaft. The material is of extra quality and there are a number of little features about the mill which all go towards making it very durable and long lived. The grinding plates are made of the hardest suitable metal.



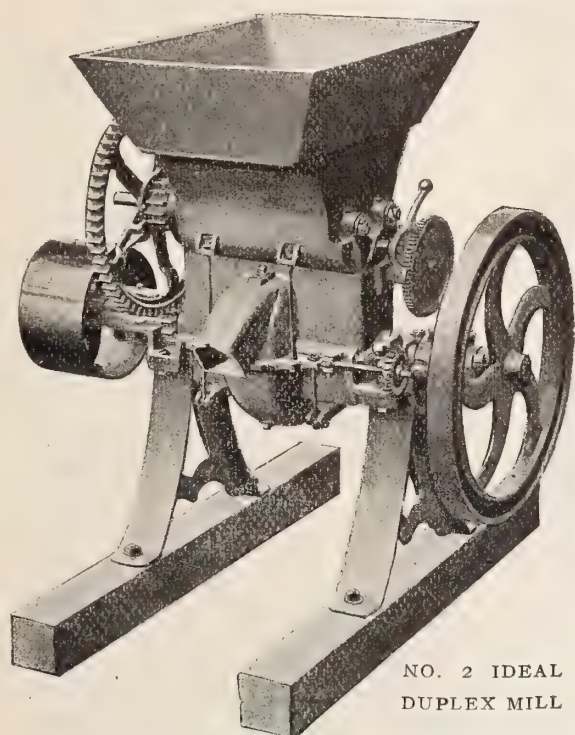
No. 1 New Holland Mill. This mill may be operated with any light power from two to six horse power. The speed should be from 200 to 600 revolutions per minute, according to power. Light powers require slower speeds. Capacity, 6 to 30 bu. per hour. Price complete, \$30.00.

No. 2 New Holland Mill. Similar to the No. 1, but is heavier, larger, and has much greater capacity. It is suitable for any power, from six to twelve horse and will grind from 20 to 60 bu. per hour. Speed required, 200 to 600 revolutions per minute. Price, complete, \$40.00.

We Solicit Correspondence in Regard to Anything in Our Catalogue.

IDEAL DUPLEX FEED MILLS.

For Grinding Ear Corn and all kinds of Grain into Feed for Stock. Excellent in Construction. Excellent in Working Qualities.



NO. 2 IDEAL
DUPLEX MILL

The Burrs are small in diameter and the grinding is all done near the shaft which reduces the power required to the minimum.

The Capacities which we state for these mills are guaranteed actual capacities and in nearly every case the mills will grind more than we state.

The Main Frame is one solid piece of casting bolted rigidly to heavy iron legs that support the mill.

The Shaft is of cold rolled steel, and runs in anti-friction babbitt metal boxes.

The Pulley and Fly-Wheel are balanced so as to run true. The pulley is located at one end of the shaft, which admits of taking off and putting on the belt without being obliged to take it apart.

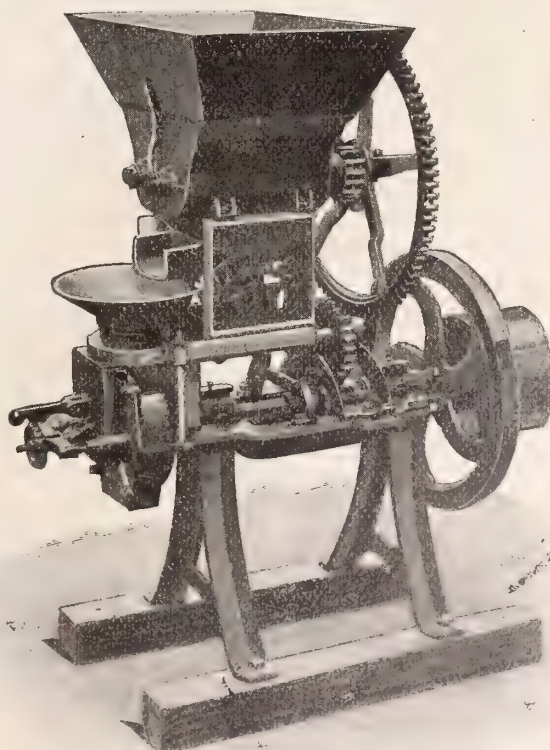
The Burrs are arranged on the shaft midway between boxes, the two outside burrs are stationary, and the center burr revolves with the shaft. The burrs, which are made of white iron, and harder than steel, are adjusted to grind coarse or fine, by means of a hand-Wheel having a safety-pin connection to prevent damage in the event of foreign matter getting into them.

Capacity per hour.			Power	Price	Price of
No.	Ear Corn.	Shelled Corn	Required.		Burrs.
1.	10 to 15 bus.	20 to 30 bus.	6 to 10 horse	\$42.00	\$1.40 per set.
2.	12 to 25 "	25 to 45. "	10 to 12 "	48.00	1.75 "
3.	25 to 40 "	40 to 100 "	12 to 15 "	64.00	2.50 "

NO. 10 IDEAL DUPLEX FEED MILL.

The sale of this Mill, as well as the universally good testimony of purchasers, bears witness to its great merit and popularity. The No. 10 is absolutely the only Ear Corn Grinder adapted to be used with any power that develops varying speed such as tread powers and power windmills.

Construction. The Mill is mounted on strong iron frame. The crusher is arranged above the grinding burrs. The shake feed spout is arranged between the crusher and burrs thus the ears of corn to be ground, on being put into the hopper, pass through the crusher and the crushed cob meal is measured to the grinding burrs by the automatic shake feed spout in the exact quantity to suit the speed of Mill and power applied. When the Mill stops the burrs are comparatively empty, permitting the Mill to start up easily without the attention of operator. Capacity, according to power and quality of grinding, 10 to 20 bushels ear corn, 15 to 30 bushels shelled grain per hour. Power required, 4 to 10 h. p. Price of Mill, \$48.00; weight, 400 lbs. Burrs per set, \$1.40.



NO. 10 IDEAL DUPLEX MILL

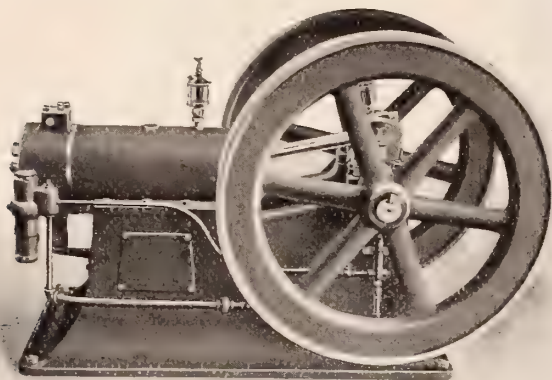
Prices Subject to Change Without Notice.

The McVicker Automatic Gasoline Engine.

We wish to tell you of a gasoline engine without complicated adjustments, with **Electric Governor** and with **One-Third The Usual Number of Parts**. With such an Engine we feel that we deserve your engine business,

Most important to you is to know whether or not the McVicker Automatic Gasoline Engine is a good one. In order to find this out it is necessary to know what is required in a good engine, and what place among power generators the gasoline engine is intended to fill.

The mission of the gasoline engine is to act as an economical power generator which any one can operate. When the first gasoline engine came out the cry went up that this had been accomplished, but as time went on users found that the operating of a gasoline engine was not the bed of roses they had been led to believe, chiefly because of the many parts which were continually getting out of order.



So for the last few years an earnest effort has been made by every manufacturer to simplify the gasoline engine, and in order to realize how important they consider this point, you have only to read their advertisements in any trade journal or catalogue. We make the same claim of simplicity, and offer proof to justify our claim. By actual count we have less than one-third the number of repair parts. We are now getting to the point as to whether or not the McVicker Automatic Gasoline Engine is a good engine, and we want you to notice that it is **Three Times as**

Good as its competitors in the number of its parts.

The McVicker Automatic Gasoline Engine is of the four-cycle, hit and miss type, which is conceded by all to be the standard, but which has in addition to the advantages of four-cycle engine those of the two-cycle also without the disadvantage of wasting fuel.

The combination of the even speed of the two-cycle and the economy of fuel of four-cycle, is possessed only by the McVicker Automatic Gasoline Engine. All other makes can take an impulse only on multiples of four i. e., if they miss fire on the fourth cycle they have to wait until the eighth cycle, or two complete revolutions, while the McVicker can pick up on the sixth cycle, or any outward stroke after the first four.

VALVE ACTION.

Even the few parts that we have to our valve action operate automatically, so that there are absolutely no adjustments to get out of order. The action is governed by a port bored in solid iron, therefore the valve action cannot be harmed by inexperienced operators.

The opening of the exhaust is operated by the exhaust pressure at pushing down on a lever, which is held down until the piston has time to return, so there is no back pressure. All this is done, not by complicated mechanism, but by holes bored in solid iron, and using the exhaust as the propelling power, which is not only wasted in all other engines, but live power taken from the flywheels in addition.

Our valve action is quick, positive, durable and automatic, this is a step forward in economy of fuel consumption, ranking with the use of exhaust steam for heating purposes in value.

The engine has several points in its construction which are worth considering.

GOVERNOR.

The Governor is of the inertia type, electrically controlled and is the quickest acting of any on the market. Just as soon as the engine reaches its rated speed the points of the Governor separate and as soon as they separate 1-100th part of an inch the electric circuit is broken. When the speed is reduced below normal the points come together and the circuit is completed and from the fact that there is always a charge of gasoline in the cylinder, same being thoroughly mixed it is ready to be exploded on the next compression or inward stroke of the piston.

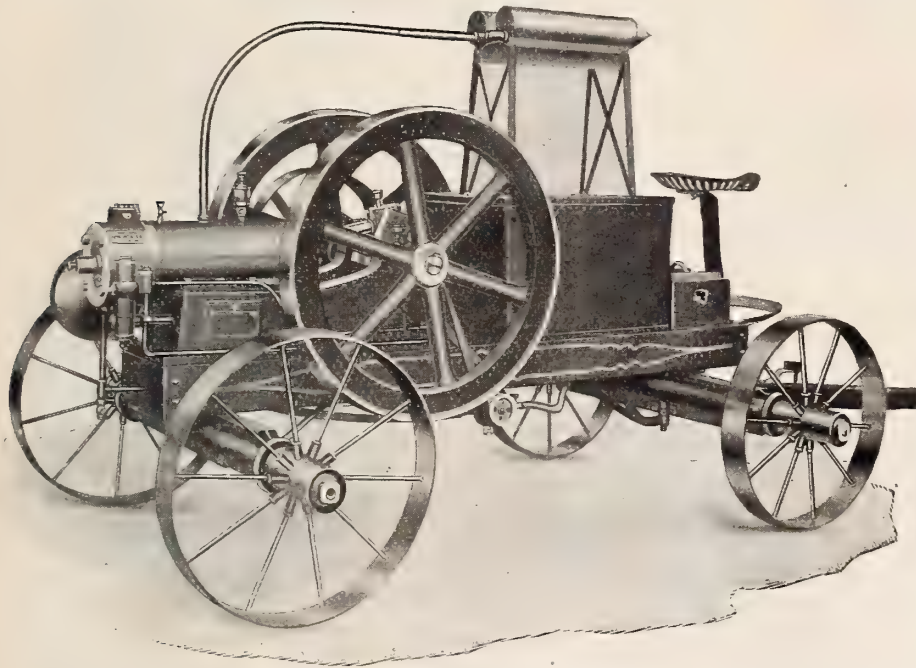
The action of the exhaust is controlled by the explosion of the charge in the cylinder. After the charge is fired the force of the explosion drives the piston backward and just before the end

McVicker Gasoline Engines are the Best, and are Moderate in Price.

of the stroke is reached a port hole in solid iron is uncovered which admits a pressure into the the auxiliary, which is located underneath the cylinder, this forces down a small piston which in turn opens the exhaust valve locking it open until the forward movement of the piston uncovers another port which releases the pressure on the auxiliary piston thus closing the exhaust valve just as the piston reaches the head end of its stroke.

The engine is then ready to take in a new charge whether it is up to or above its normal speed. In case it is above its rated speed the charge is taken into the cylinder and held until it is ready to be exploded, in the mean time it is being thoroughly mixed which makes a better charge for firing from the fact that it is thoroughly warmed.

On all our Portable Engines we use rotary pump, belt driven, and a special cooling device so that it is not necessary to use or haul around a large quantity of water, in fact three or four buckets of water being sufficient to cool the engine for from 4 to 10 hours according to the size of the engine and the nature of the work. By the use of the circulating pump the circulation is positive which is of great importance in cold weather, as in very cold weather engines using the gravity system have more or less trouble with the water freezing in the pipes, especially so if the engine is stopped for an hour or so. The circulating water system can be applied to any of our stationary engines at a slight cost. The castings in the McVicker Automatic Engine are made of the very best of pig iron and are free from sand or blow-holes. The Crank Shaft is a steel forging from the best open hearth steel and is made without a weld of any kind.



The Connecting Rod is another steel forging and is fitted with adjustable bearings at either end.

The Piston is fitted with three snap rings at the head end and one at the open end. It has also a groove near the opening end which is a feature found on no other engine and with the style of exhaust used makes this engine absolutely smokeless.

Owing to the Electric Governor this engine will stand 50 per cent. sudden overload without slacking speed.

PLEASE BEAR IN MIND THAT THIS IS THE ONLY ENGINE MADE THAT HAS AN ELECTRIC GOVERNOR AND HAS AN EXHAUST OPERATED WITHOUT THE USE OF CAMS OR GEARS.

LIST PRICES AND SPEED OF THE McVICKER AUTOMATIC GASOLINE ENGINES.

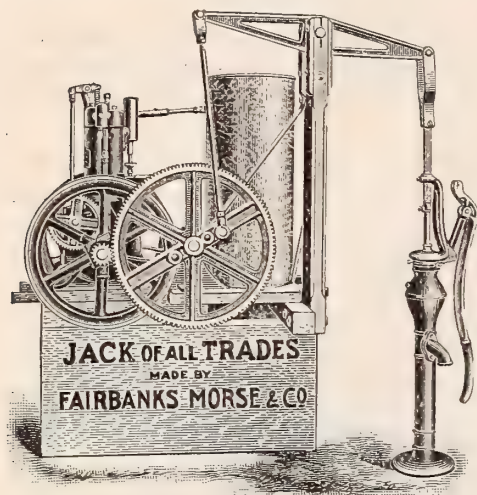
SIZE	REVOLUTIONS.	PRICE.
2 H.P. with Pump Jack.....	450	\$190.00
3½ H.P.....	400	\$240.00
5 H.P.....	375	\$300.00
7 H.P.....	350	\$360.00
10 H.P.....	325	\$450.00
12 H.P.....	300	\$540.00
15 H.P.....	280	\$630.00
PORTABLE ENGINES.		
5 H.P.....	375	\$430.00
7 H.P.....	350	\$490.00
10 H.P.....	325	\$590.00
15 H.P.....	280	\$815.00

THE ABOVE PRICES SUBJECT TO LIBERAL DISCOUNT.

Special Catalogue of Gasoline Engines will be sent on Application,

The Fairbanks-Morse Gasoline Engine.

The Fairbanks-Morse Gasoline Engine is one of the oldest and best known engines on the market and has been sold by us for the past three years and has given universal satisfaction.



The illustrations show the Jack-of-All-Trades with pump attachment for deep wells, mounted on wooden base and self contained, complete, and the Standard iron base Vertical Engine.

The Jack-of-All-Trades is also furnished with pulley and can be used for running other machinery by belt. It can be attached to an ordinary windmill pump as shown and will work successfully on wells up to 300 feet deep. We wish to show briefly some of the uses that this small engine can be put to.

On the Farm: It runs wood saws, cream separators, churns, corn shellers, fodder cutters, grindstones, and emery wheels.

In the Machine and Blacksmith Shop: It will run blowers, forges, lathes, pipe cutters, drills, &c.

In the Carpenter Shop. Will run scroll and circular saws,

In the Hotel. Will run ceiling fans, washing machines and ice cream freezers.

Franklin, Morse Engines are built and sold strictly on their merits and will give perfect satisfaction wherever used. Made in all sizes from 2 H.P. up to and including 150 H. P.

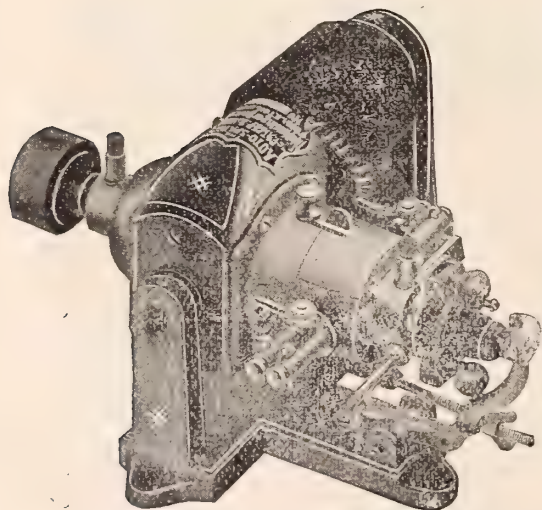
The engines are built from materials of the best quality and in accordance with the highest standards of machine shop practice.

The crank-shafts and connecting-rods are of steel forgings, finished all over.

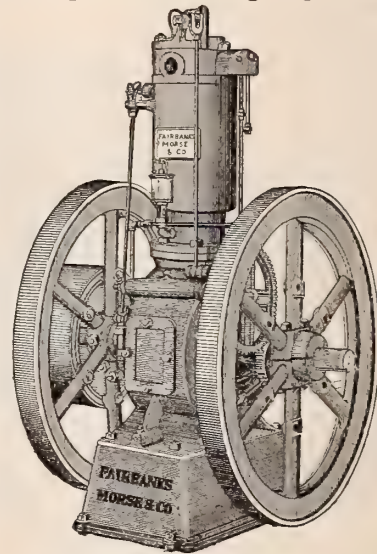
We are in a position and would be pleased to estimate on an engine to be used for any purpose. Catalogue can be had on application.

THE MOTSINGER AUTO-SPARKER.

The Auto-Sparker is a machine that every user of a gasoline engine should have as it does away with all battery troubles, and is a machine that can be fitted to any engine. The Auto-Sparker is a perfect dynamo but should not be confounded with the cheap machines that the market has been flooded with in the past few years.



MOTSINGER AUTO-SPARKER.



It is built strong and substantial to withstand rough usage and will give a good spark at a low speed, in fact one revolution of the fly-wheel on almost any engine gives it speed enough to generate enough spark to fire the first charge in the engine.

It is equipped with a ball governor that keeps it at a regular speed, also preventing unnecessary wear. The shaft is made of 1-2" steel mounted in 1 1/4" renewable phosphor bronze bearings.

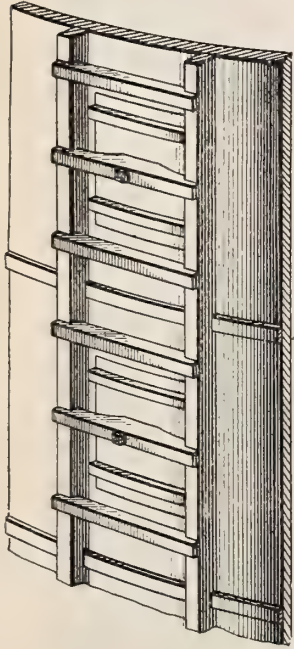
The commutators are well made, and insulated with the best of mica and the brushes used are round special gauze and carbon, held in place with the highest grade of phosphor bronze springs.

The Auto-Sparker will work on either touch or jump spark engines providing the proper coil is used. We do not claim that the Auto-Sparker will spark an engine that no batteries will spark, or that it is a cure-all for an old engine that has no contact points or compression. Prices quoted on application.

Our Engines are Attended to by Men of Experience Who are in our Regular Employ.

The Smith Round Stave Silo.

Although hardly known a comparatively few years ago, the Silo is now regarded by the best dairy-men and the most advanced dairy communities as a necessity, if the business is to be most profitable conducted. It is not putting it too strong to say that in the most progressive dairy communities, the Silo is as common as are the great red barns which shelter the dairy herds. The chief merit of the Silo lies in the fact that by its use it is possible to have a supply of green feed for the herd during the entire year and every dairyman knows the advantage of green feed over dry feed for milk production. Another advantage of the Silo lies in the fact that it offers a comparative economical method of handling the crop. In dry summers the man with the Silo is the one who does the least complaining. The hay crop may fail, often does fail, and if he did not have the Silo he might have to pay as high as \$20.00 per ton for cow feed. There is no danger of the ensilage crop failing in this climate and a dry year injures the yield or quality very little.



In determining what kind of Silo to build the first point to be considered is that the ensilage must be kept in perfect condition until fed. In other words, the Silo must be airtight. The form of Silo that has stood all tests and the kind that is now recommended by all experts on the subject is the round Silo, made of staves stood on end like the staves of a barrel and held together with good strong hooks that can be tightened when the Silo is empty or loosened when the Silo is filled and the staves are soaked with juice from the corn. One of the greatest sources of losses in many Silos is through not having air tight doors. The Smith Silo has a perfectly air tight door that entirely prevents loss. The material used is 2 in. by 6 in. White Pine Tank Stock, the staves are tongued and grooved and bevelled to conform with a circle.

SEND FOR SPECIAL CATALOGUE GIVING DETAILED DESCRIPTION.

The illustration above shows front door of section with two doors in position and vertical strips at sides, on which are fastened rungs which make a permanent ladder. These doors are positively guaranteed not to stick or swell, cannot get out of order and are airtight. The hoops are of round iron threaded at each end, and fitted with hexagon nuts. They are curved to the form of the Silo and are equipped with malleable iron lugs for connecting same, thereby forming a complete circle.

We give here photograph of Silos sold to Mr. A. W. Fuss for Belmont Dairy Farm, Glyndon, Md.

Mr. Fuss writes as follows: "The two Smith Round Staves Silos, 16x30, purchased of you last year, have given perfect satisfaction in every respect. My Cows are doing better and look finer than they ever did and I am feeding less grain. I am so well pleased that I intend putting up one 20x35 at the lower barn this year."



SMITH'SILOES AT BELMONT DAIRY FARM.

PRICES QUOTED ON APPLICATION.

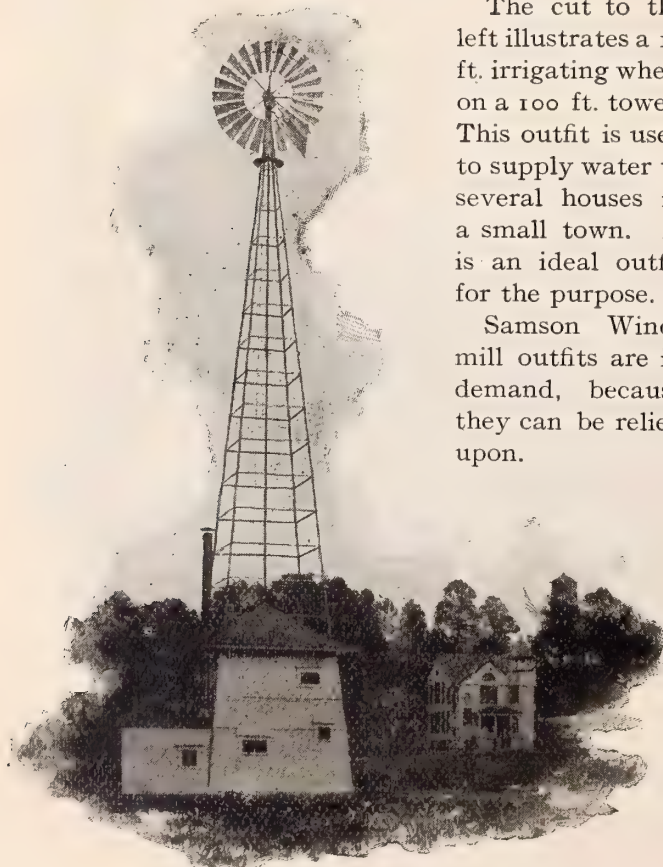
Smalley Silo Filling Machinery Will be Found on Pages 104 to 107 of This Catalogue.

The Samson Windmill and Ideal Steel Towers.

The Samson Windmill is the result of long and scientific experimenting by competent engineers. Every part has been carefully considered and tried before being passed on as good enough for the Samson, which is the best windmill on earth. The peculiar feature of the Samson is that it has two sets of gearing to transmit the power to the pump; this double gearing is a big stride forward in windmill construction and places the Samson in a class to itself. The Samson has four times the strength of any other windmill using the same amount of material. While we have mentioned the double gear feature, we have not the space to mention all of the good points of the Samson Mill. The construction of the wheel, makes it wonderfully powerful and efficient. The extra long wheel shaft with long babbitted boxes, gives great strength and solidity. One of the most valuable special features of the Samson Windmill is the governor, which is so contrived that it insures almost perfect immunity of the Mill from injuries in destructive storms. The Samson Mill is equipped with simple and effective brake and throw-out reels.

The Ideal Towers have proven themselves to be the strongest and best. If properly erected, they are warranted not to break, buckle or blow down unless the anchorage gives way.

SEND FOR SPECIAL ILLUSTRATED CATALOGUE AND PRICES.



The cut to the left illustrates a 16 ft. irrigating wheel on a 100 ft. tower. This outfit is used to supply water to several houses in a small town. It is an ideal outfit for the purpose.

Samson Windmill outfits are in demand, because they can be relied upon.

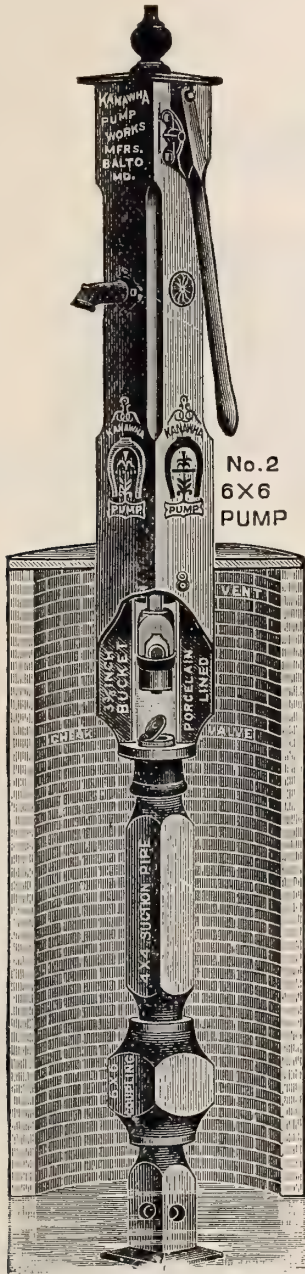


The above outfit is one which we erected last year for Mr. F. M. Clotworthy of Baltimore, at his place in Harford County, Maryland.

The storage tank is mounted on a substructure and the windmill tower is built up from the bottom of the tank. This makes a very fine outfit.

Estimates Cheerfully Furnished.

Windmill Outfits Erected by Competent Men.



KANAWHA PUMP.

KANAWHA WOOD PUMPS.

When there is question of selecting a pump, no one should decide in favor of a low price unreliable pump. Buy a good pump always. The difference in cost is very slight, and the satisfaction given by a good pump, to say nothing of the longer wear, will make it by far the cheaper in the end. Kanawha Pumps have for many years been regarded as the best wood pumps ever offered. All the porcelain lined pumps are fitted with Kanawha Patent Rubber Buckets without extra charge. Wood buckets furnished if desired. The prices given are for pumps fitted, ready to set in well. Discount on Kanawha Pumps, 25%.

Depth of Well from platform to the bottom.	No. 2—6x6 Porcelain Lined Pumps.	No. 3—6x6 Unlined Pumps.	Depth of Well from platform to the bottom.	No. 2—6x6 Porcelain Lined Pumps.	No. 3—6x6 Unlined Pumps.
8 feet..	\$8.19	\$6.69	21 feet...	\$11.03	\$ 9.53
9 "	8.36	6.86	22 "	11.53	10.03
10 "	8.53	7.03	23 "	11.70	10.20
11 "	8.70	7.20	24 "	12.20	10.70
12 "	8.87	7.37	25 "	12.37	10.87
13 "	9.04	7.54	26 "	12.54	11.04
14 "	9.47	7.97	27 "	13.37	11.87
15 "	9.66	8.16	28 "	13.54	12.04
16 "	9.85	8.35	29 "	14.37	12.87
17 "	10.35	8.85	30 "	14.54	13.04
18 "	10.52	9.02	31 "	15.40	13.90
19 "	10.69	9.19	32 "	15.90	14.40
20 "	10.86	9.36			

RED JACKET "EASY TO FIX" PUMPS.

Working parts may be drawn up through platform without taking pump out of well, thus saving lots of trouble and expense in making repairs. Red Jacket Pumps are famous for their reliability.

Prices Given are for Pumps Fitted Complete.

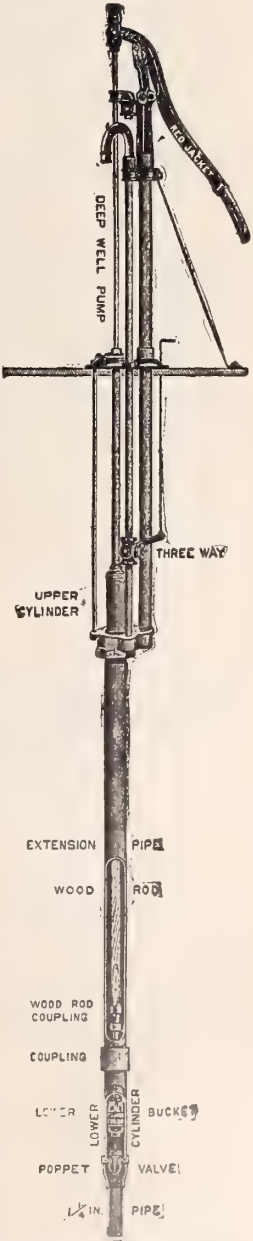
Depth of Well from Platform to Bottom.	Fig. 28, No. 1 Double-Acting Pump with 3-in. Cylinder.	Depth of Well from Platform to Bottom.	Fig. 32, No. 8, Double-Acting Pump, with 2½ in. Extension Pipe and Cylinder
10 feet.....	\$15.00	28 feet.....	\$24.00
12 feet.....	15.50	30 feet.....	25.00
14 feet.....	16.00	32 feet.....	26.00
16 feet.....	16.50	34 feet.....	27.00
18 feet.....	17.00	36 feet.....	28.00
20 feet.....	17.50	38 feet.....	29.00
22 feet.....	18.00	40 feet.....	30.00
24 feet.....	18.50	42 feet.....	31.00
26 feet.....	19.00	44 feet.....	32.00
		46 feet.....	33.00
		48 feet.....	34.00
		50 feet.....	35.00
		Each Extra foot..	Add 50c.

Three-Way Extra, add to list \$3.00. Discount on Red Jacket Pumps, 15%.

We Also Handle Myers Iron Pumps. Write for Prices. Special Estimates and Catalogues Furnished

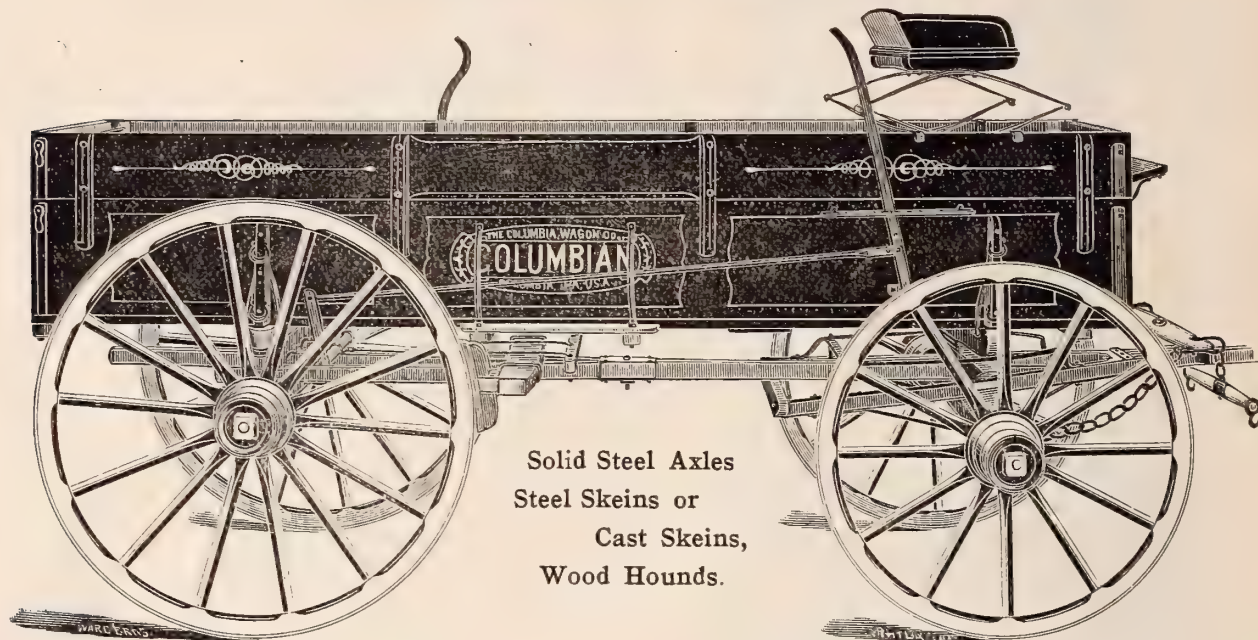
KANAWHA PORCELAIN LINED. EXTENSION PUMP.

Depth of Well from platform to bottom.	With 7x7 Pump head.
31 feet.....	\$17.15
32 feet.....	17.65
33 feet.....	18.15
34 feet.....	18.65
35 feet.....	19.15
36 feet.....	19.65
37 feet.....	20.15
38 feet.....	20.65
39 feet.....	21.15
40 feet.....	21.65
If over 40 ft., add 50c. per ft.	



RED JACKET PUMP.

Columbian Wagons.



Columbian Wagons are too well known in this section to need much of an introduction. For several years we have been furnishing them to our trade and our increasing sales testify to their popularity. The secret of the success of the Columbian Wagons is real worth, real merit, a first class wagon of the proper pattern. If you have had no personal experience with these wagons, ask the people who have them how they like the Columbian. It will pay you to find out about them before buying a wagon.

We have these wagons built especially to meet the requirements of the trade in this locality. All materials thoroughly air-dried. Every portion of the woodwork of our gears and wheels made waterproof by being saturated in boiled linseed oil. Axles, best quality 'gun metal steel (fully guaranteed against breakage) and six year dry hickory axles fitted with either steel or cast skeins, best in the market. Our Hubs are New York State Black Birch. Spokes best Pennsylvania White Oak, thoroughly seasoned. Felloes best XX Pennsylvania and Eastern White Oak. Bodies best grade Yellow Poplar.

No	Size of Axle.		Size of tire.	Width of body.	Length of body.	Carrying capacity.	Shipping weight.	Price complete as shown in cut.
	Solid steel.	Steel skein.						
1.....	1 $\frac{3}{8}$	.....	1 $\frac{1}{2}$ in. x $\frac{3}{8}$ in.	3 ft. 6 in.	9 $\frac{1}{2}$ ft.	1800 lbs.	600 lbs.	\$60.00
2.....	1 $\frac{1}{2}$	2 $\frac{3}{4}$ x 8	2 in. x $\frac{1}{2}$ in.	3 ft. 6 in.	9 $\frac{1}{2}$ ft.	2500 "	700 "	70.00
3.....	1 $\frac{5}{8}$	3 x 9	3 in. x $\frac{1}{2}$ in.	3 ft. 6 in.	10 ft.	3000 "	900 "	75.00
4.....	1 $\frac{3}{4}$	3 $\frac{1}{4}$ x 10	4 in. x $\frac{5}{8}$ in.	3 ft. 8 in.	10 $\frac{1}{2}$ ft.	4000 "	1000 "	90.00
5.....	2	3 $\frac{1}{2}$ x 11	4 in. x $\frac{3}{4}$ in.	3 ft. 8 in.	11 ft.	6000 "	1100 "	100.00

If wanted without beds, deduct \$8.00. Rear Ratchet Brake, extra, \$4.00.

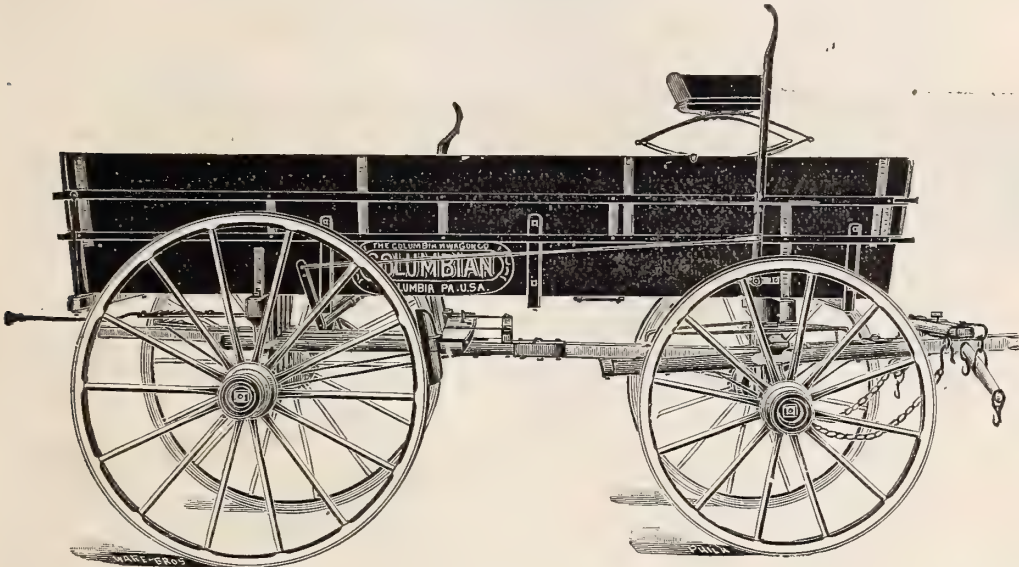
COLUMBIAN WAGONS WITH WOOD AXLES AND CAST SKEINS.

No.	Size of axle.	Size of tire.	Width of body.	Length of body.	Carrying capacity.	Shipping weight.	Price complete.
72.....	2 $\frac{3}{4}$ x 8	2 in x $\frac{1}{2}$ in	3 ft. 6 in.	9 $\frac{1}{2}$ ft.	2200 lbs.	700 "	\$62.50
73.....	3 x 9	3 in. x $\frac{1}{2}$ in.	3 ft. 6 in.	10 ft.	3000 "	900 "	65.00
74.....	3 $\frac{1}{4}$ x 10	4 in. x $\frac{3}{4}$ in.	3 ft. 6 in.	10 $\frac{1}{2}$ ft.	4000 "	1000 "	75.00

Columbian Wagons are Deservedly Popular.

Columbian Wagon with Avondale Hardwood Body.

We can furnish any size of our Farm Wagons with our celebrated Avondale Body. This is an old-style home-made oak bed with drop end gate. The wagons with this body cost a trifle more, but they

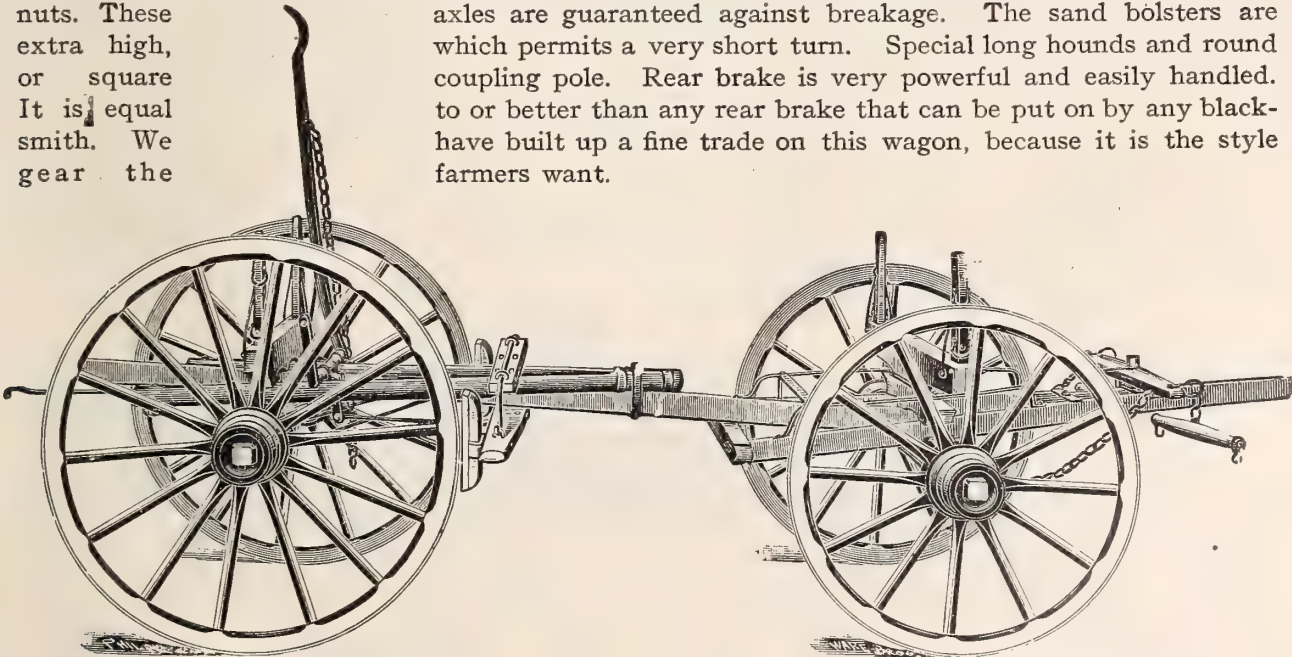


are well worth the difference. The additional cost for this body on Columbian wagons is as follows: For No. 2 wagon, \$10.00; for No. 3 wagon, \$12.50; for No. 4 wagon, \$12.50; for No. 5 wagon, \$12.50; for No. 6 wagon, \$15.00. To find the cost of

a Columbian wagon with Avondale Body, add these differences to the cost stated on page 118 for Complete Wagons.

COLUMBIAN SOLID STEEL AXLE GEAR. Furnished also with Steel Skein Axles.

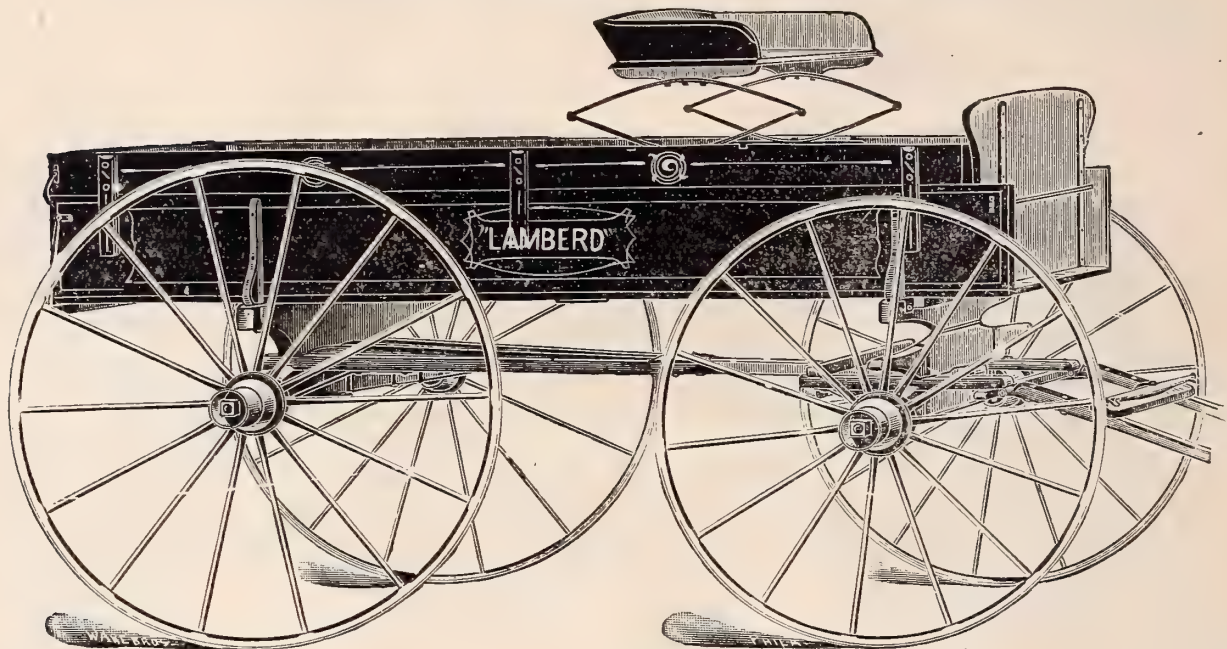
These Gears are built to meet the requirements of the farmers in this section. They are in a class to themselves. They are regularly built with our heavy gun metal steel axles, with either linch pins or nuts. These extra high, or square It is equal smith. We gear the axles are guaranteed against breakage. The sand bolsters are which permits a very short turn. Special long hounds and round coupling pole. Rear brake is very powerful and easily handled. to or better than any rear brake that can be put on by any black-have built up a fine trade on this wagon, because it is the style farmers want.



No.	Size of axle.		Size of tire.	Carrying capacity.	Shipping weight.	Price of gear with rear and side brakes.
	Solid steel.	Steel skein.				
34.....	1 3/4	3 1/4 X 10	4 X 8	4000 lbs.	1000 lbs.	\$85.00
35.....	2	3 1/2 X 11	4 X 8	6000 "	1100 "	90.00
36.....	2 1/4	3 3/4 X 12	4 X 8	7000 "	1200 "	105.00
37.....	2 1/2	4 X 12	4 X 1	9000 "	1400 "	115.00
38.....	2 3/4	.....	4 X 1	12000 "	1600 "	130.00

Prices Subject to Change Without Notice.

Lamerd One Horse Wagon.



This wagon has established a reputation of which we are justly proud. $1\frac{1}{4}$ in. steel axles. Warner wheels, 3 ft. 6 in. and 4 ft. high. Tires, regular, $1\frac{1}{4} \times 5-16$ in. Body 9 ft. long, lower box 10 in., top box 4 in.; 3 ft. 6 in. wide. We call attention to the fact that the body of this wagon is one ft. longer than on most one-horse wagons. These wagons have the front hounds arranged that a drop tongue can easily be fitted. Price, \$35.00. Tongue, \$6.00 extra.

No. 2 1 Horse Wagon. Similar to above, but with $1\frac{3}{8}$ in. axles and 2 in. tires. Capacity, 1800 lbs. Price, complete with brake and shafts, \$45.00.

FARM AND CONTRACT CARTS.

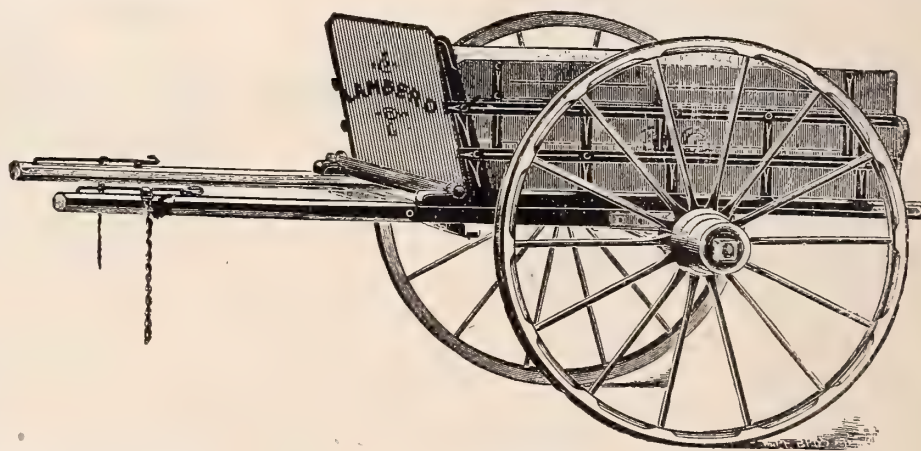
Our carts are built of hard wood, good, dry stock. Bodies have 6 in. top sides. Wood hub wheels. The sizes we mention are those most popular with our trade, but we can furnish any size desired. The carts are nicely finished and handsomely painted. They have but to be seen in comparison with others to be appreciated.

No. 38 Farm Cart.
 $1\frac{1}{2}$ in. axle; $3 \times \frac{1}{2}$ in. tire;
 body 3 ft. wide, 5 ft.
 and 1 in. long, 11 in.
 deep without top side;
 capacity 1000 lbs.
 Price, \$35.00. Same
 cart with tire $2 \times \frac{1}{2}$ in.,
 \$32.50, with 4 in. tire,
 \$37.50.

No. 42 Contract Cart.
 2 in. axle; $3 \times \frac{1}{2}$ in. tire;
 body 3 ft. 1 in. wide,
 5 ft. 10 in. long, 13 in.

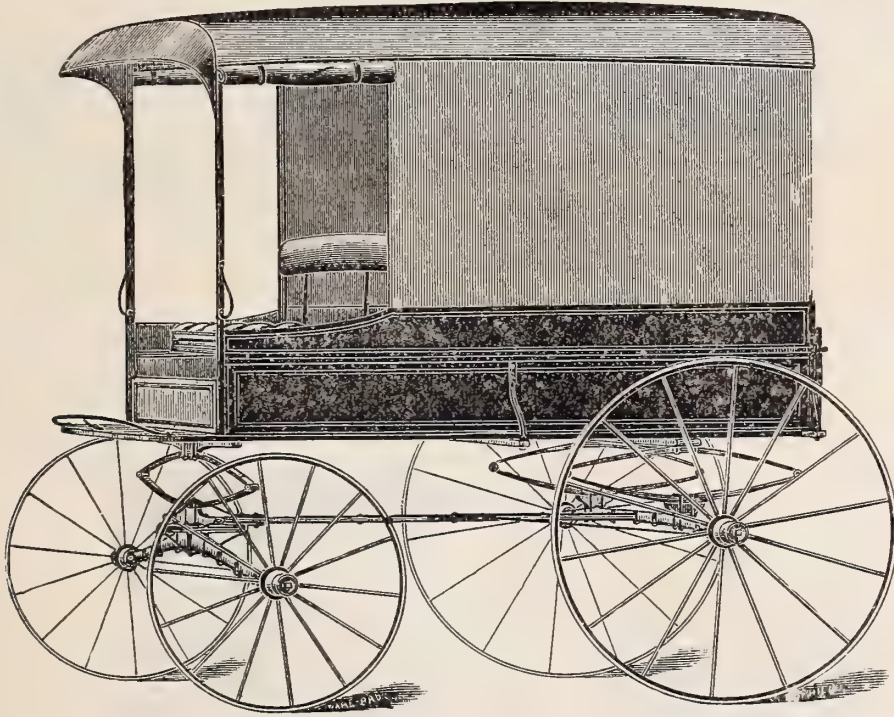
deep without top sides; capacity 2000 lbs. Price, \$40.00. Same cart with 4 in. tires, \$48.00.

No. 46 Special Contractor's Cart. This is a special cart which we have built of selected stock with hard wood bodies, three sills in place of two, well ironed and braced for hard wear. This cart has pin and chain tail gate and we have it built to fit Baltimore car track. Axles 2 in. steel; tires $3 \times \frac{5}{8}$ in.; body 5 ft. 4 in. long and 3 ft. wide; depth with top box, 18 in.; capacity, 2500 lbs. in weight and 16 cubic ft.; plain XX wood hub wheels. Price, \$50.00.



Estimates on Special Work Cheerfully Furnished.

Our Three Spring Top Wagon.

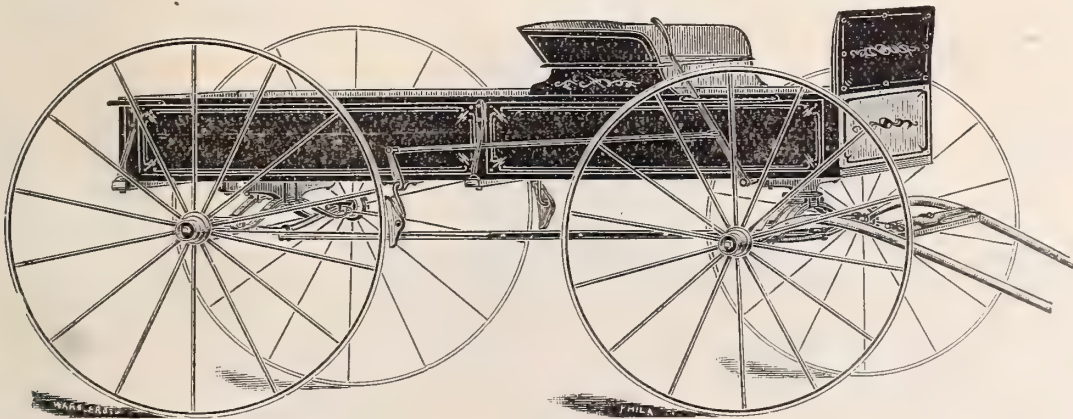


The cut above shows our Three Spring Curtain Top Wagon. We furnish the same wagon with panel top, as this style top is very popular with some of our customers. High grade Warner wheels, $1\frac{1}{4}$ steel axles, full elliptic springs, five leaf in front and four leaf in back, body 6 ft. x 3 ft. 6 in. inside measure, either high or low front wheels, color of gear, yellow, or red, color of body green, red or wine color, capacity, 1400 lbs.

Price of Wagon with tack curtain Bow Top.....	\$87.50
Price of Wagon with frame Top, panel sides.....	95.00
Same style Wagon with 1 1-8 in. axle, 1000 pounds capacity.....	5.00 less.
" " " " 1 1-2 " " 2000 " "	15.00 more.

We Handle a full Line of Spring Wagons. Write for Special Catalogue and Prices.

Our Light Milk or Runabout Wagon.



This Wagon is handy and very serviceable. Light Substantial and very easy running, it is a most convenient wagon for creamery and farm purposes. Built with Warner Wheels Double Collared Steel Axles and Oil Tempered Duplex Springs. Neatly finished.

Axles, 1 in.; height of wheel, 3ft., 6 in. front, 3ft., 10 in. hind; tire, 1x1-4 tire; length of body, $6\frac{1}{2}$ ft. width of body, 3ft., carrying capacity, 800 lbs., shipping weight, 400 lbs. Price with brake, \$45.00.

Estimates on Special Work Cheerfully Furnished.

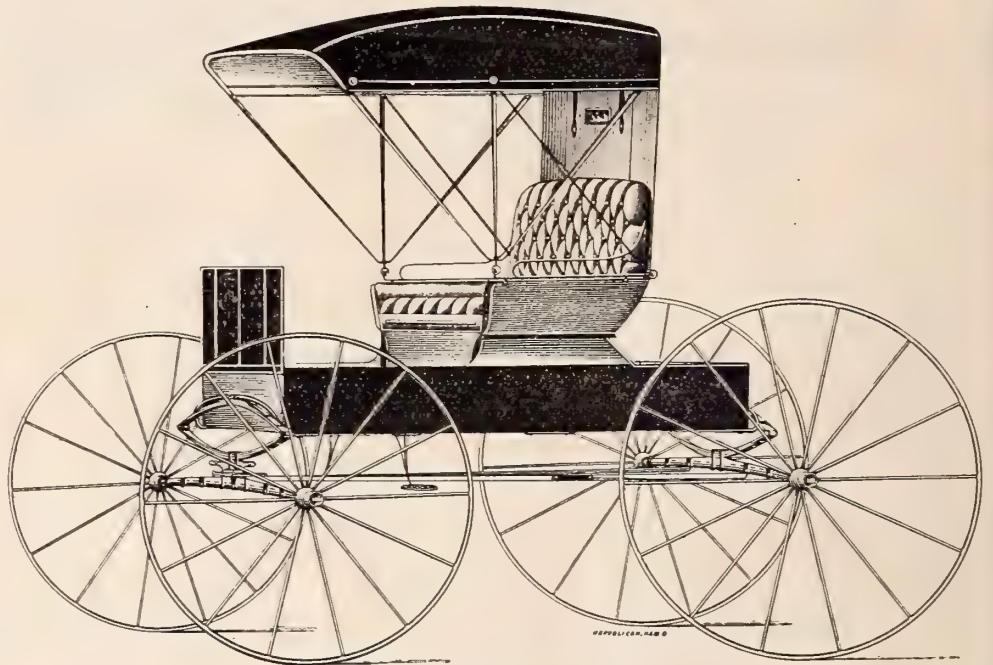
Carriage Department.

The illustrations on this and the following pages will give to our readers an idea of our leading styles in this department. On account of our limited space, we are unable to illustrate here our full line; but, we shall be pleased to furnish upon application special descriptions of our carriages and name our prices. On the point of prices we lay special stress. We are in a position to handle our carriages at a very close margin of profit. Why? Simply because the additional expense of running this department in conjunction with our other business is very slight. This is an important consideration which acts in favor of our customer. As to the grade of our work, we handle all grades. We have work to suit a wide range of tastes and everyone's finances. Rest assured, that no matter what you buy from us, you get good liberal value for your money, and we give a broad, substantial guaranty, which we stand back of.

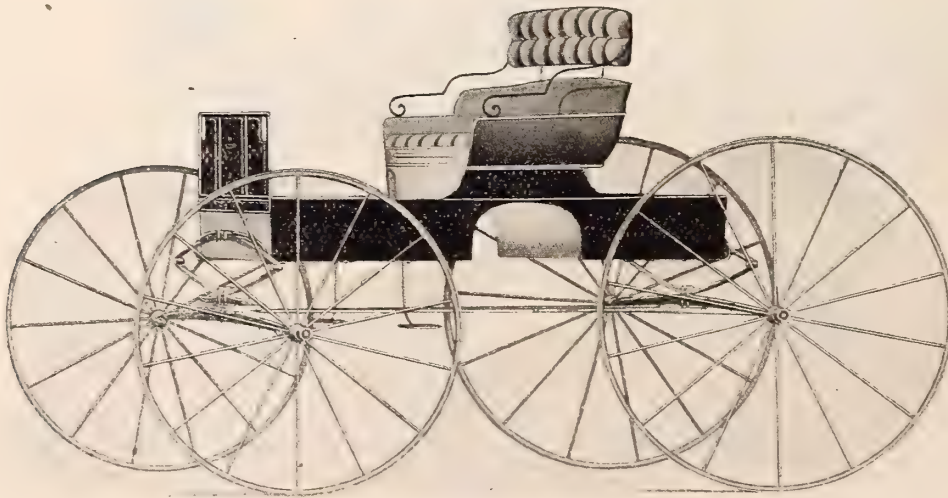
Our carriage showrooms in our new building are very fine and well equipped for handling the business. We will have set up on the floor about fifty jobs which will give our customers a fine selection. If you cannot favor us with a call, we would be pleased to be given an opportunity to correspond with you in regard to anything in our line which may interest you and we think we can save you money.

TOP BUGGIES.

The accompanying cut illustrates our Piano Box Top Buggy. This is the most popular style and we have a large assortment of them. We have them from the lowest grade to the highest, with steel tires or rubber tires, with gum, leather quarter top and with various styles of painting and trimmings.



PIANO BOX TOP BUGGY.



PANEL SEAT CUT UNDER RUNABOUT.

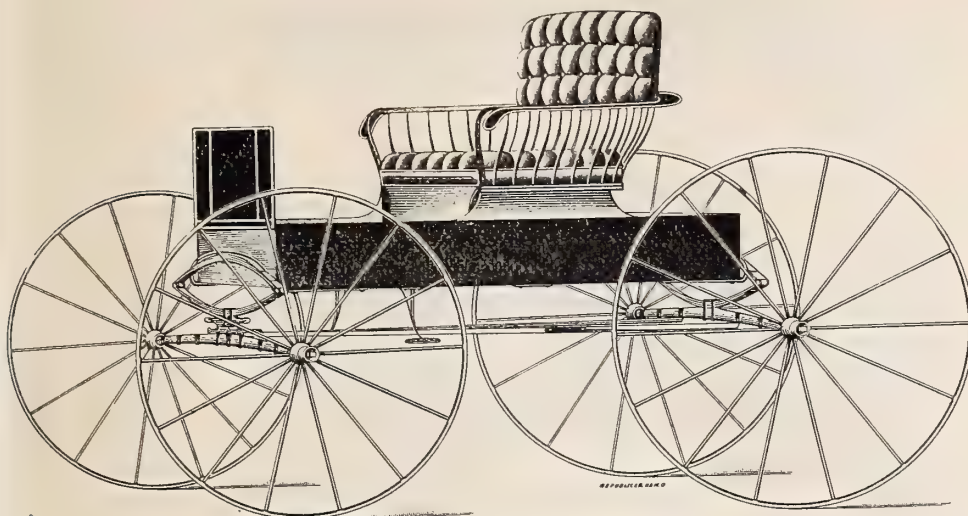
CUT-UNDER RUNABOUTS.

This class of runabout or driving wagon is very popular and we have several styles from which to select. These wagons are well built and handsomely finished. Description and prices on application.

Special Information And Prices Cheerfully Furnished.

Piano Box Runabouts.

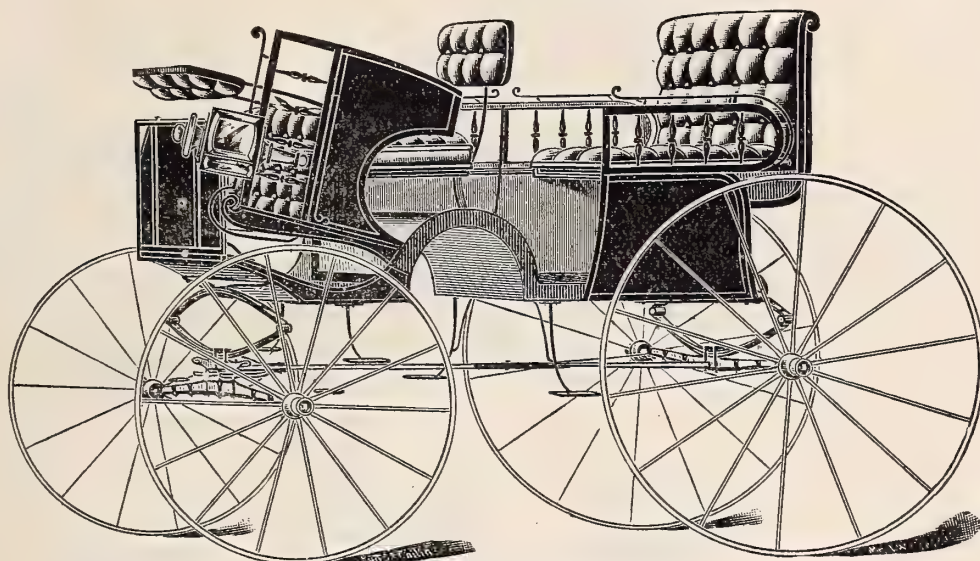
These are undoubtedly the most popular driving wagons that have ever been offered. We have them in several grades with steel or rubber tires and with the style of gear shown in cut or with bike gear. Write for description and prices.



STICK SEAT PIANO BOX RUNABOUT.

Portland Trap.

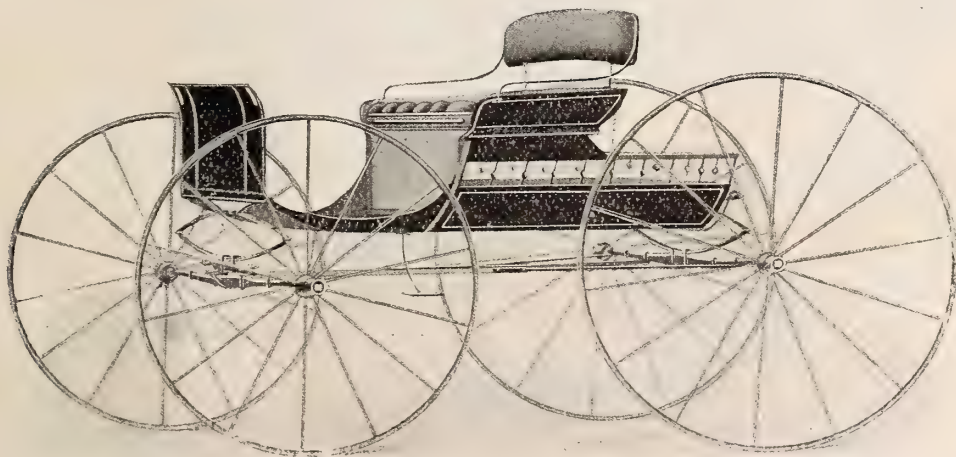
This is a very popular cut-under vehicle. It is light and adapted for one horse. Prices and description of this and other Traps will be sent on application.



PORTLAND TRAP (CUT UNDER).

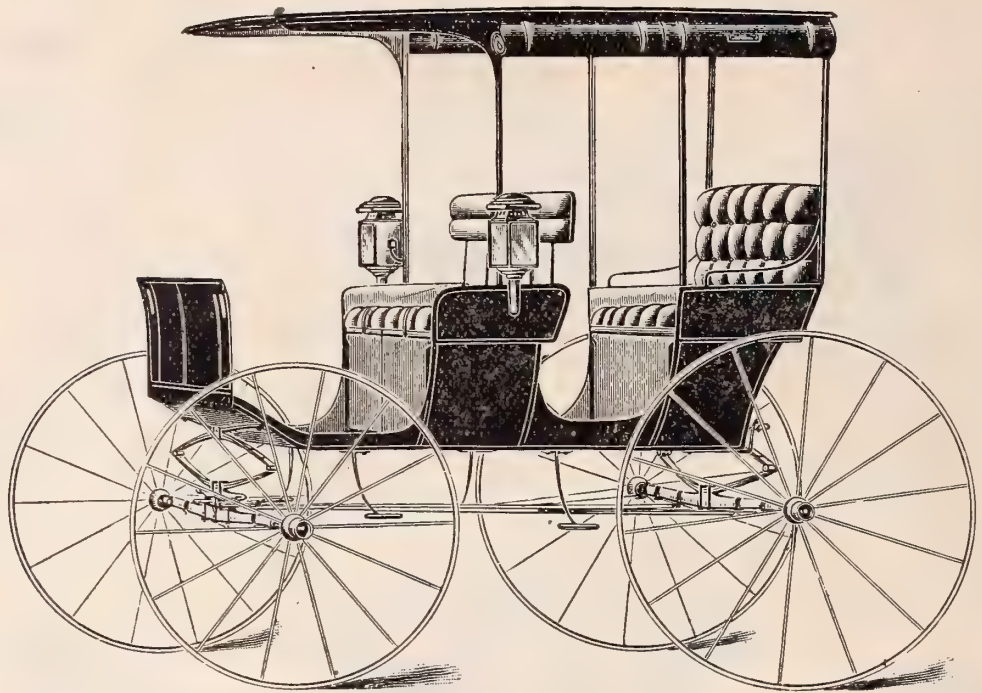
Road Wagons.

The Road or Spindle Wagon illustrated by the accompanying cut is a very handy and useful vehicle. We have several styles and can offer them very low in price. Write for particulars.



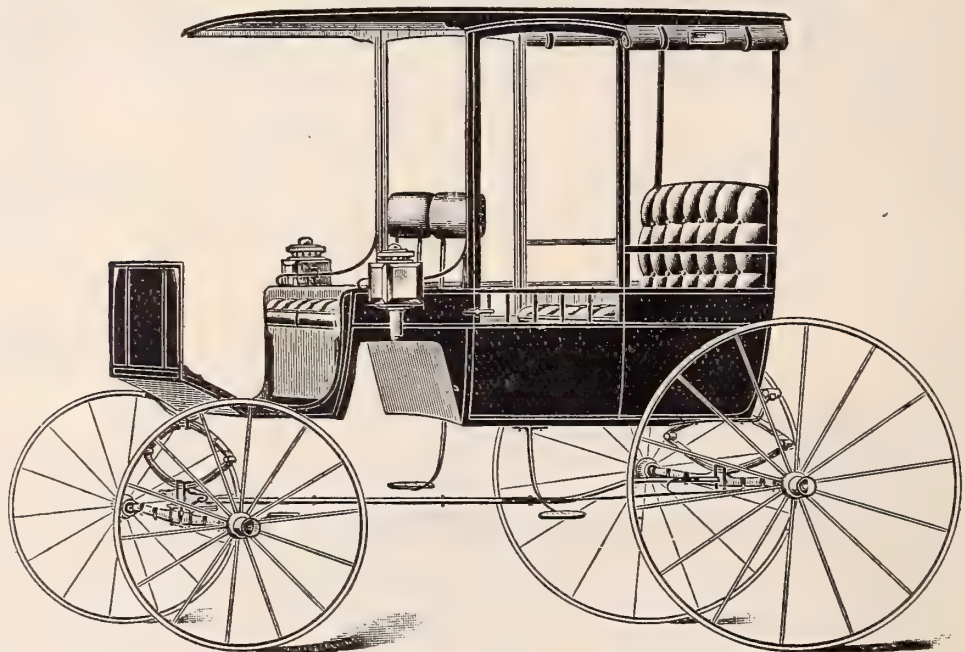
STICK SEAT ROAD WAGON.

Visit Our New Carriage Show Rooms.



Standing Top Surrey.

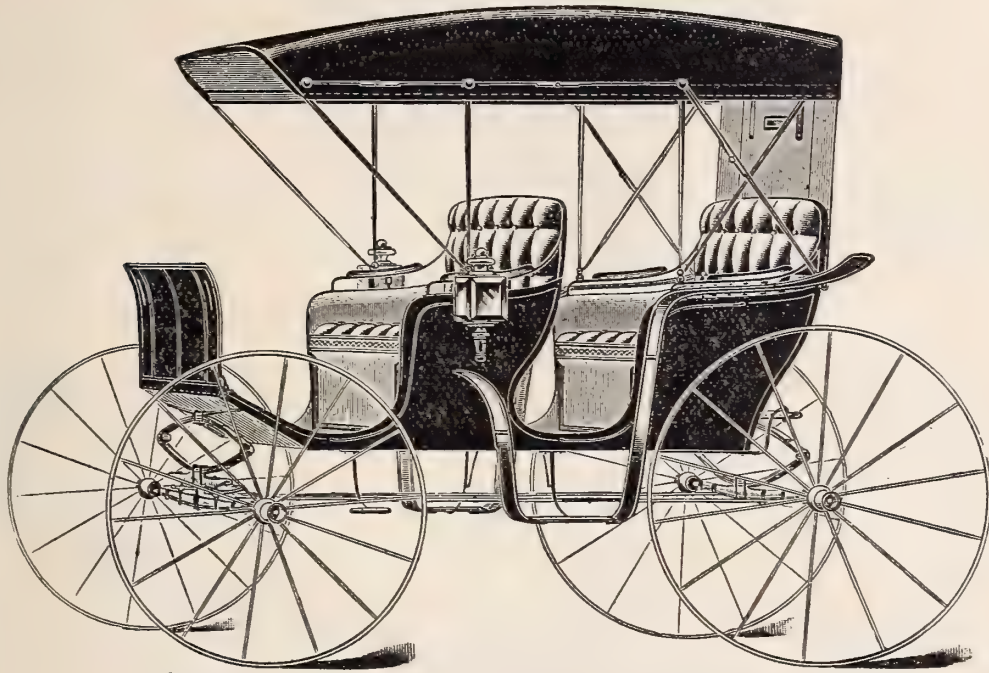
The standing top surrey with split seat as shown by the above illustration is a very popular four-passenger vehicle. It is very light and short coupled. Can be furnished with stick seats if desired. Also made with side bar Brewster Springs. Catalogue of this and several other styles Standing Top Surreys and prices furnished on application.



Rockaway.

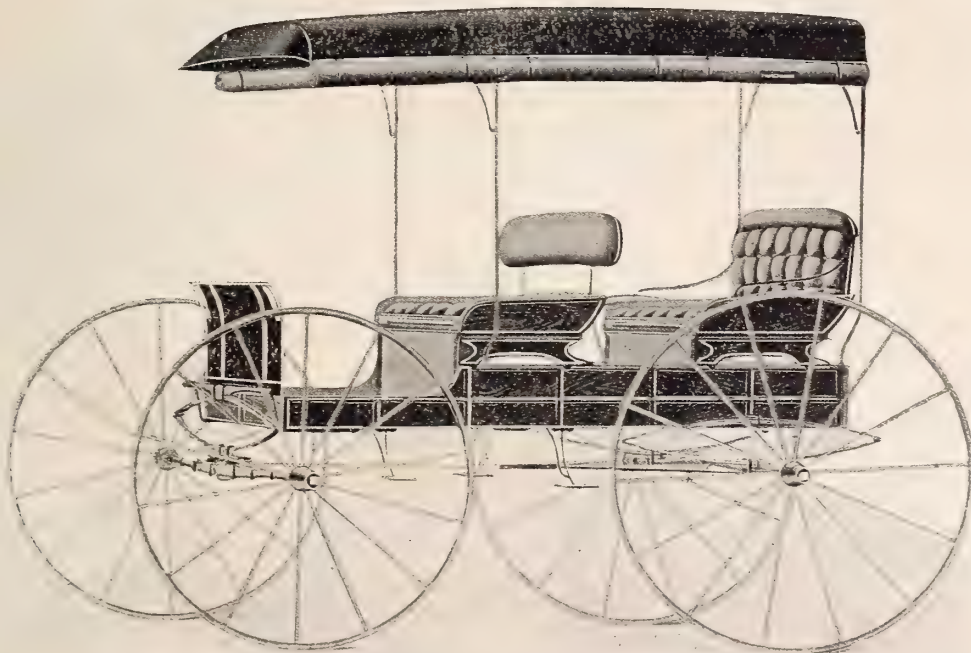
A light carriage adapted for one horse. This type of carriage can be furnished in several styles. It is made either open, as shown in cut, or with shifting Winter Front and Sash Doors. The Rockaway has for a long time been one of the most popular carriages. Prices and detailed description furnished on application.

"General Excellence and Low Prices" is our Motto,



Extension Top Surrey.

The illustration above shows a light straight bottom Surrey with Extension Top. We can furnish Surreys with either straight or cut under bottom and with either extension or canopy top. Write for prices and description.



Dayton Wagon.

We show above a light four-post Dayton Wagon. We furnish these Daytons also with six posts and in several grades, giving a choice of finishes. Prices and description on application.

GROTON SPEEDING CART.

The Groton Speeding Cart compares favorably in style, material and finish to the higher priced carts. It is exceptionally good value for the money. Send for circulars. Price, \$45.00.

Send for Special Catalogue and Prices.

Harness.

NO. 7001 SINGLE BUGGY HARNESS.

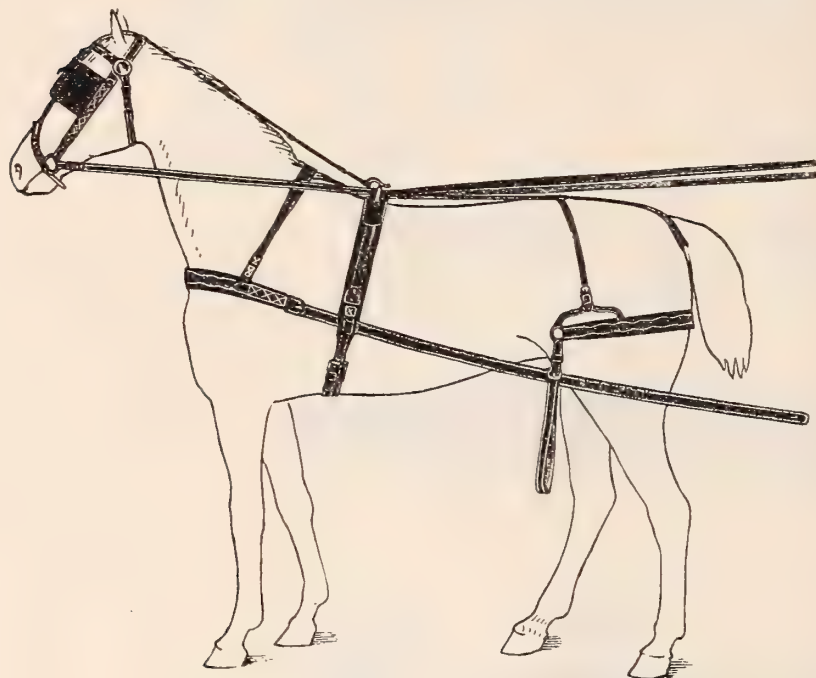
Bridle $\frac{5}{8}$ in.; Reins $\frac{3}{4}$ in. all leather; Breast Collar $1\frac{1}{2}$ in. Single Leather, with 1 in. Doubled and stitched traces attached; Saddle $2\frac{1}{2}$ in. Patent Leather; Breeching $1\frac{1}{2}$ in. Single Leather; $\frac{3}{4}$ in. Turnback; $\frac{5}{8}$ in. Hip Strap; $\frac{3}{4}$ in. Breeching Straps; Mounting xc.; Price, \$5.50.

Same Harness with Collar and Hames, \$6.00.

NO. 7201 SINGLE BUGGY HARNESS.

Bridle $\frac{5}{8}$ in.; Reins $\frac{3}{4}$ in., All Leather; Breast Collars 1 $\frac{5}{8}$ in. folded; Traces 1 in. Doubled and Stitched to buckle to Breast Collar; Saddle $2\frac{1}{2}$ in. Patent Leather; Breeching $1\frac{5}{8}$ in. folded; two $\frac{5}{8}$ in. Hip Straps; $\frac{3}{4}$ in. Turnback; $\frac{3}{4}$ in. Breeching Straps; Mountings xc., or Japanned. Price, \$7.00.

Same Harness with Collar and Hames, \$7.50.



NO. 6031 SINGLE BUGGY HARNESS.

Bridle $\frac{5}{8}$ in., Box Loops; Reins $\frac{7}{8}$ in.; Breast Collar $1\frac{3}{4}$ in. folded; Traces $1\frac{1}{8}$ in. Double and Stitched; Saddle 3 in.; Breeching $1\frac{3}{4}$ in. folded; $\frac{3}{4}$ in. Turnback; $\frac{3}{4}$ in. Hip Strap; $\frac{7}{8}$ in. Breeching Straps; Mounting Nickel Terrets and Hook, Balance xc. Price, \$9.00.

Same Harness, with Collar and Hames, \$9.50.

NO. 3681 SINGLE BUGGY HARNESS.

Bridle $\frac{5}{8}$ in., Box Loops, Round Stay; Reins $\frac{7}{8} \times 1\frac{1}{8}$ in., Steel Billets; Breast Collar and Breeching folded, waved layer; Traces $1\frac{1}{8}$ in. doubled

and Stitched; Saddle 3 in., leather lined; Mountings Nickel or imitation Rubber. Price, \$10.50. Same Harness, With Collar and Hames, \$11.00.

NO. 2391 SINGLE BUGGY HARNESS.

Bridle $\frac{5}{8}$ in., Box Loops, Round Stays; Reins $\frac{7}{8} \times 1\frac{1}{8}$, Steel Billets; Breast Collar and Breeching folded, Glove finished leather, Waved Layer; Traces $1\frac{1}{8}$ in., double and stitched; Saddle 3 in., half track, hand laced leather pad; Mountings Nickel or Imitation Rubber; Price, \$14.00.

Same Harness, with collar and Hames, \$15.50. Same Harness with full genuine Rubber breast collar, \$18.00.

SINGLE STRAP OR TRACK HARNESS.

No. 7011. Bridle 5-8 in., box loops, round stays; Reins 7-8 in.; Breast Collar and Breeching single leather; Traces $1\frac{1}{8}$ in. single leather, attached to Breast Collar; Saddle 3 in. strap; Mounting Imitation rubber terrets and hook, balance Japanned.

Price, Straight Breast Collar, \$8.00.

Price, V Shaped Breast Collar, \$8.50.

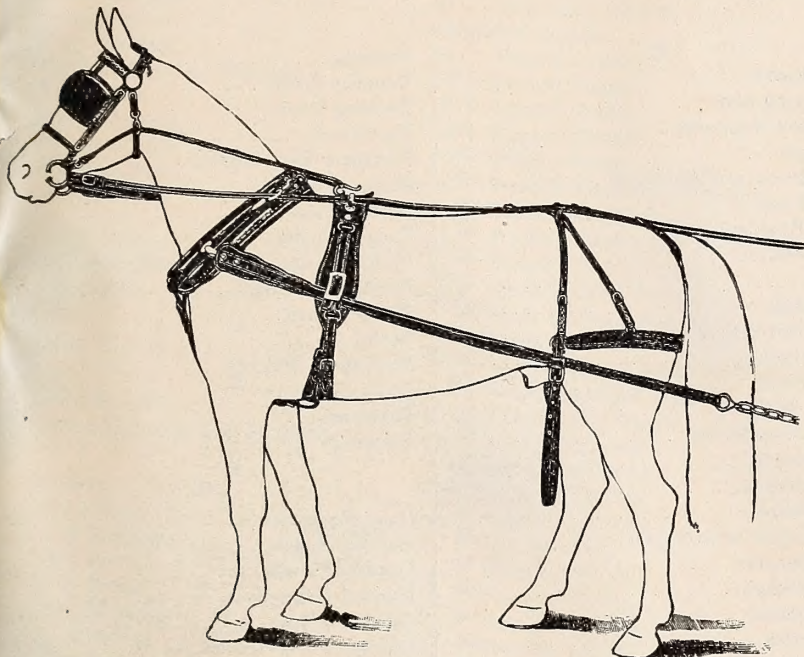
No. 901. Bridle $\frac{5}{8}$ in., box loops, round stay; Reins $\frac{7}{8} \times 1\frac{1}{8}$ in. steel billets; Breast Collar $1\frac{5}{8}$ in. single leather with $1\frac{1}{8}$ in. single Leather Traces attached; Saddle 3 in. gig, with hand laced leather pad; Breeching $1\frac{1}{2}$ in. single leather; Mounting Nickel or Imitation Rubber.

Price, Straight Breast Collar, \$11.50. Price, V shaped Breast Collar \$12.00.

Harness. (Continued.)

No. 231 Bridle 5-8 in., Box loops, round stays; Reins 7-8 x $1\frac{1}{8}$ in. Steel billets, Breast Collar, Vshaped with 1 1-4 in. single leather traces attached; Saddle 3 in. strap, leather bottom; Breeching 1 3-4 in. single leather; mountings nickel or Imitation Rubber Price, \$12.00. Genuine Rubber, \$14.00.

No. 541 Heavy. Bridle 5-8 in., box loops, round stay; Reins 7-8 x $1\frac{1}{8}$ in., steel billets; Breast Collar wide V shaped with 1 $\frac{1}{4}$ in., single leather Traces attached; Saddle 3 in., full track, hand laced leather pad; breeching $1\frac{5}{8}$ in. single leather. Mountings nickel or Int. Rubber, Price, \$15.00. Genuine Rubber, \$16.50.



NO. 201 SINGLE EXPRESS HARNESS.

Bridle 5-8 in., box loop; reins 1 in.; Hames, red wood, box loop tugs; Collar all kip team; Traces $1\frac{1}{2}$ in.; Saddle 5 in.; Kersey Pad Breeching, $2\frac{1}{8}$ in. fold with lay; Mountings nickel or brass, Price, \$20.00.

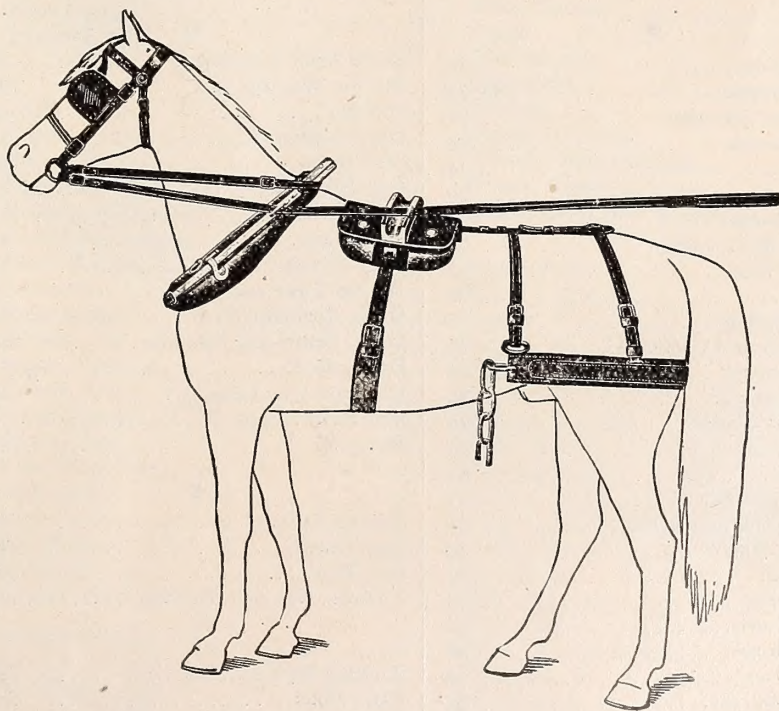
No. 261. As above with $1\frac{1}{4}$ in. traces, \$18.00.

DOUBLE TEAM HARNESS.

No. 71 x. Bridles 3-4 in., box loops, square patent leather blinds; Reins 7-8 in.; Hames red wood, brass ball top; Collars, all kip team; Traces $1\frac{1}{2}$ in., chain ends; Pads, folded with layer Breeching $2\frac{1}{4}$ in. folded, long Breeching Straps. Japanned. Price, \$30.00.

DUMP CART HARNESS.

No. 81. Bridles 7-8 in., pigeon wing blinds; Reins 1 in.; Varnished Hook; Collar all kip team; Saddle, double top, full pad, leather girth; Breeching, 3 in. double body, double hip straps. Price \$16.00.



DOUBLE BUGGY HARNESS.

No. 191. Bridles 5-8 in., box loops, overdraw check reins; Reins 7-8x1 in., russet hand parts; Iron Hames, box loop patent leather tops, fancy bound housings in one piece, yoke straps $1\frac{1}{8}$ in., mountings nickel or Int. Rubber. Price complete, \$25.00.

No. 351. Bridles 5-8 in., box loops, overdraw check reins; Reins 7-8 x $1\frac{1}{8}$ in., black, steel billets; Iron Hames, box loop patent leather tugs; Collar all kip; Pads, patent leather with separate patent leather Housings, Yoke Straps 1 1-8 in. Mountings, nickel or Int. Rubber. Price complete, \$30.00.

INDEX.

	PAGE
Seed Table.	
Vegetable Seeds and Plants.....	2 to 24
Herbs.....	10
Fruit Trees and Vines.....	25
Farm and Field Seeds.....	26, 27
Lawn Grass Seed, etc.....	28, 29
Flower Seeds.....	30 to 32
Plants and Bulbs.....	32, 33
Hedge Plants.....	33
Fertilizers.....	34, 35
Insect and Fungus Destroyers.....	36, 37
Horse and Cattle Powders.....	37
Poultry Supplies.....	36 to 43
Miscellaneous Tools.....	44 to 47
Dairy Goods.....	54 to 56
Farm Machinery, etc.....	57 to 117
Vehicles.....	118 to 125
Harness.....	126 to 127

A

Ash Spreader.....	98, 101
Asparagus Buncher.....	44
Asparagus Knife.....	44
Auto-Sparker.....	114
Axes and Handles.....	47
Axle Grease.....	47

B

Back Bands.....	45
Baling Presses.....	98, 99
Barn Door Hangers.....	97
Barrel Trucks.....	66
Baskets.....	44
Bells, Farm.....	59
Berry Presses.....	103
Binders, McCormick.....	93
Binder Twine.....	93
Blowers.....	105
Bolster Springs.....	58
Bone Mills and Cutters.....	39
Border Shears.....	46
Breast Chains.....	45
Broadcast Seeders.....	86
Brood Coop.....	42
Brooders.....	41
Brooder Stoves.....	41
Brooder Thermometers.....	39
Budding Knives.....	46
Buggies.....	122
Bush Hooks.....	46
Butter Bowls.....	56
Butter Boxes.....	56
Butter Color.....	56
Butter Churns.....	55
Butter Paddles.....	56
Butter Paper.....	56
Butter Prints.....	56
Butter Workers.....	56

C

Calf, Weaner.....	56
Caponizing Sets.....	43
Carnation Supports.....	44
Carriages.....	122, 125
Carts, Farm and Contract.....	120
Carts, Push.....	66
Cattle Powders.....	37
Chick Shelter.....	42
Churns.....	55
Cider Mills.....	103
Clover Cutters.....	1 7
Cold Chisels.....	47
Collar Pads.....	45
Colony House.....	42
Contractors Plows.....	73
Corn Barrels.....	44
Corn Binders.....	93
Corn Drills.....	81
Corn Knives and Hooks.....	46
Corn Planters.....	81, 82, 83
Corn Shellers.....	102
Cow Chains.....	45
Creameries.....	55
Cream Separators.....	54
Cultivators.....	86, 87, 88, 89, 90, 91
Cultivator Points and Extras.....	89
Curry Combs.....	45

D

Dairy Thermometers.....	56
Dayton Wagons.....	125
Dibbles.....	45
Disc Cultivators.....	90
Disc Drills.....	101
Disc Harrows.....	75, 76
Disc Plow.....	74
Dishorners.....	97
Dock Lifters.....	47
Double Trees and Irons.....	58
Drills, Corn and Pea.....	80, 81, 84, 85
Drills, Grain and Fertilizer.....	100, 101
Drills, Seed.....	84, 85
Drinking Fountains.....	43
Dry Food Hopper.....	43
Dynamo.....	114

E

Edging Knives.....	44
Egg Testers.....	42
Egg Trays.....	41
Engines, Gas and Gasoline.....	112, 113, 114

F

Fanning Mills.....	83
Farm Bells.....	59
Farm Carts.....	120
Feed Cutters.....	104, 105, 106, 107
Feed Mills.....	109, 110, 111
Feed Trays.....	43

PAGE

Fencing.....	43, 52, 53
Fencing Posts.....	52
Fencing Tools.....	53
Fertilizers.....	34, 35
Fertilizer Distributors.....	80, 100
Flower Pots.....	44
Flower Tubs.....	44
Flower Picker.....	46
Fodder Cutters.....	104, 105, 106, 107
Fodder Shredders.....	106
Fodder Yarn.....	4
Forks.....	47, 90
Four-Row Sprayer.....	65
Fruit Picker.....	44
Funicides.....	36
Furrower.....	75

G

Gape Extractor.....	43
Garden Boxes.....	44
Garden Plows.....	85
Garden Rakes.....	47
Garden Reels.....	44
Garden Tools, Planet Jr.....	84, 85
Gas and Gasoline Engines.....	112, 113, 114
Gates, Lawn and Farm.....	52
Glazing Points.....	44
Glazing Putty.....	44
Golf Mowers.....	50
Grafting Wax.....	46
Grain Cradles.....	46
Grain Drills.....	100, 101
Grain Fans.....	83
Grape Shears.....	46
Grass Catchers.....	50
Grass Edger.....	85
Grass Hooks.....	46
Grass Shears.....	46
Grinding Mills.....	109, 110, 111
Grindstones.....	59, 93
Grit Box.....	43

H

Hames.....	45
Hame Straps.....	45
Hand Carts.....	66
Harness.....	126, 127
Harrows.....	75, 76, 77, 78, 89
Harrow Teeth and Points.....	78
Hatchets.....	47
Hay Carrier, etc.....	99
Hay Forks.....	47, 96
Hay Knife.....	46
Hay Loaders.....	95
Hay Presses.....	98, 99
Hay Rack.....	57
Hay Rakes, Hand.....	47
Hay Rakes, Horse.....	94
Hay Rake Teeth.....	94
Hay Tedders.....	95

INDEX.—Continued,

	PAGE
Hay Track and Fixtures.....	96
Hedge Shears.....	46
Hillside Plows.....	72
Hoes.....	47
Hog Troughs.....	57
Horse and Cattle Food.....	37
Horse Brushes.....	45
Horse Pokes.....	45
Horse Powers.....	109
Horse Radish Grater.....	45
Horse Rakes.....	94
Horse Troughs.....	57
Hose, Rubber.....	45
Hose Menders.....	45
Hose Nozzles and Fittings.....	45
Hose Reels.....	45
Hot-Bed Glass.....	44
Hot Bed Mats.....	44
Hot Bed Sash.....	44
I	
Incubators.....	40
Incubator Thermometers.....	39
Insecticides.....	36
J	
Jacks, Wagon.....	59
K	
Knife Grinder.....	93
Knives, Pruning and Budding.....	46
L	
Ladders.....	59
Lard Press.....	103
Lawn Benches.....	51
Lawn Boots.....	48
Lawn Fence.....	52
Lawn Mowers.....	48, 49, 50
Lawn Rakes.....	47
Lawn Rollers.....	60, 61
Lawn Sprinklers.....	45, 65
Lawn Sweeper.....	50
Lawn Swings.....	51
Leaf Trucks.....	66
Leg Bands.....	43
Lime Spreaders.....	98 to 101
M	
Mangers.....	57
Manure Spreaders.....	98
Marker.....	75
Marlin.....	44
Mattocks and Handles.....	47
Milk Cans.....	56
Milk Coolers.....	55, 56
Milk Pails.....	56
Milk Strainers.....	56
Milk Tester.....	56
Mole Traps.....	45
Moss, Sphagnum.....	35
Mowers, Golf.....	50
Mowers, Lawn.....	48, 49, 50
Mowers, McCormick.....	92
N	
Neck Yoke.....	58
Nest Eggs.....	37
Nests, Wire.....	43
O	
Oil.....	47
Oil Cans.....	47
Open Rings.....	58
P	
Paris Green Guns.....	64
Pea Drills.....	80, 81, 84, 85

	PAGE
Peat, Jersey.....	35
Pedigree Trays.....	41
Picking Baskets.....	44
Picks and Handles.....	47
Pipe Extensions.....	62, 64
Plant Bed Cloth.....	44
Plant Sprinkler.....	44
Plant Stakes.....	35
Plows.....	70, 71, 72, 73, 74
Plow Handles.....	87
Plow Lines.....	45
Post Hole Diggers.....	47
Pot Labels.....	35
Potato Cutter.....	79
Potato Digger.....	80
Potato Hooks.....	47
Potato Planter.....	79
Potato Sorter.....	80
Poultry Condition Powders.....	37
Poultry Fencing.....	39
Poultry Foods, etc.....	37, 38
Poultry Food Hopper.....	43
Poultry Food Trays.....	43, 57
Poultry Fountains.....	43
Poultry House.....	42
Poultry Insecticides and Disinfectants.....	36
Poultry Killing Knife.....	43
Poultry Leg Bands.....	43
Poultry Library.....	41
Poultry Markers.....	43
Poultry Netting.....	39
Poultry Troughs.....	43, 57
Powder Gun.....	64
Pruners, Hand.....	46
Pruners, Hedge.....	46
Pruning Knives.....	46
Pruning Saws.....	46
Pruning Shears.....	46
Pumps.....	117
Pumps, Spray.....	62, 63, 64
Punches.....	47
Push Carts.....	66
Putty Bulbs.....	44
R	
Raffia.....	44
Rakes, Hand.....	47
Rakes, Horse.....	94
Rakes, Side Delivery.....	95
Reapers, McCormick.....	93
Riding Cultivators.....	90, 91
Road Wagons.....	123
Rockaway.....	124
Rollers, Field.....	60
Rollers, Golf.....	61
Rollers, Lawn.....	60, 61
Rollers, Road.....	61
Roost Hangers.....	43
Root Cutter.....	103
Rope, Hay Fork.....	96
Rope Hitch.....	97
Roup Cure.....	37
Row Marker.....	75
Runabouts.....	122, 123
S	
Sausage Stuffer.....	103
Saws.....	46, 108
Saw Mills.....	108
Scrapers, Road.....	67
Scuffle Hoes.....	47
Scythes.....	46
Scythe Stones.....	46

	PAGE
Seed Drills.....	81, 84, 85
Seed Sowers, Broadcast.....	86
Settees.....	51
Sheep Dip.....	36
Sheep Shears.....	46
Shell and Grit Box.....	43
Shovels.....	47
Shovel Plows and Extras.....	87
Shredders.....	106
Sickle Grinder.....	93
Side Delivery Hay Rakes.....	95
Silkline.....	44
Silos.....	115
Singletrees and Irons.....	58
Snatch Block.....	97
Snathes.....	46
Spades.....	47
Spalding Forks.....	47
Speeding Carts.....	125
Sprayers.....	44, 62, 63, 64, 65
Spray Nozzles.....	63
Spray Pumps.....	62, 63, 64
Spring Tooth Harrows.....	77
Sprinklers.....	44, 45, 65
Sprinkling Cans.....	45
Sprinkling Cart.....	65
Stable Brooms.....	45
Stall Guards.....	57
Stock Troughs.....	57
Stump Puller.....	99
Subsoil Plows.....	72
Sulky Plows.....	73
Surreys.....	124, 125
Swings.....	51
Syringes.....	44
T	
Tedders, Hay.....	95
Torch, Auto-Spray.....	64
Thermometers.....	39, 45, 56
Towers.....	116
Trace Chains.....	45
Traps.....	123
Tree Pruners.....	46
Tripletrees.....	58
Troughs.....	57
Trowels, Garden.....	45
Trowels, Transplanting.....	45
Trucks, Barrel or Water.....	66
Trucks, Store and Warehouse.....	69
W	
Wagon Jacks.....	59
Wagons, Dayton.....	125
Wagons, Farm.....	118, 119, 120
Wagons, Road or Stick.....	123
Wagons, Spring.....	121
Walking Cultivators.....	91
Washing Machines.....	45
Water Trucks.....	66
Watering Cans.....	45
Weeders Hand.....	44
Weeders, Horse.....	86, 87
Wheelbarrows.....	68, 69
Wheel Hoes.....	84, 85
Wheel Scrapers.....	67
Whiffletrees.....	58
White Washing Pumps.....	62, 63, 64
Windmills.....	116
Wire Fencing.....	39, 52, 53
Wire Stretchers.....	53
Wood Saws.....	108
Wrenches.....	47
Wringer.....	45

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